

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS ☒ FIELD WATER SANDS LOCATION INSPECTED SUB REPORT/abd.

DATE FILED MAY 6, 1996  
LAND FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-67170 INDIAN  
DRILLING APPROVED: AUGUST 1, 1996  
SPUDED IN: AUGUST 26, 1996  
COMPLETED: 10.3.96 POW PUT TO PRODUCING:  
INITIAL PRODUCTION: 295 BBL 315 mcf. 6 BBL  
GRAVITY API.  
GOR.  
PRODUCING ZONES: 5141-5263' ARRV  
TOTAL DEPTH: 1300'  
WELL ELEVATION: 5445' GR  
DATE ABANDONED:  
FIELD UNDESIGNATED  
UNIT.  
COUNTY: DUCHESNE  
WELL NO. MONUMENT BUTTE FEDERAL NE 13-24 API NO. 43-013-31653  
LOCATION 660 FSL FT. FROM (N) (S) LINE. 660 FWL FT. FROM (E) (W) LINE SW SW 1/4 - 1/4 SEC. 24

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
8S	16E	24	INLAND PRODUCTION				

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Garden Gulch 4471	Dakota	Park City	McCracken
Point 3 mkr 4759	Burro Canyon	Rico (Goodridge)	Aneth
X mkr 5000	Cedar Mountain	Supai	Simonson Dolomite
Y mkr 5031	Buckhorn	Wolfcamp	Sevy Dolomite
Douglas Creek 5157	JURASSIC	CARBON I FEROUS	North Point
Bighorn 5428	Morrison	Pennsylvanian	SILURIAN
Bighorn 5506	Salt Wash	Oquirrh	Laketown Dolomite
CASTLE ROCK 1057	San Rafael Gr.	Weber	ORDOVICIAN
Basal carb. NDE	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. BOX 1446 Roosevelt, Utah 84066 (801)722-5103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface SW/SW

At proposed prod. zone

660' FWL & 660' FSL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

8.4 miles south of Myton, Utah

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

17. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5445' GR

22. APPROX. DATE WORK WILL START\*

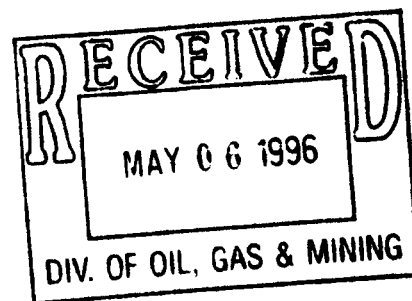
3rd Qtr 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G + 2%CaCl+2%gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/10% CaCl

The cement volumes will be calculated off of the open hole logs,  
plus 15% excess.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Brad Mecham

SIGNED

*Brad Mecham*

TITLE Operations Manager

DATE 04/30/96

(This space for Federal or State office use)

PERMIT NO.

43-013-31653

APPROVAL DATE

APPROVED BY

*J. B. Matthews*

TITLE

*Petroleum Engineer*

DATE

8/1/96

CONDITIONS OF APPROVAL, IF ANY:

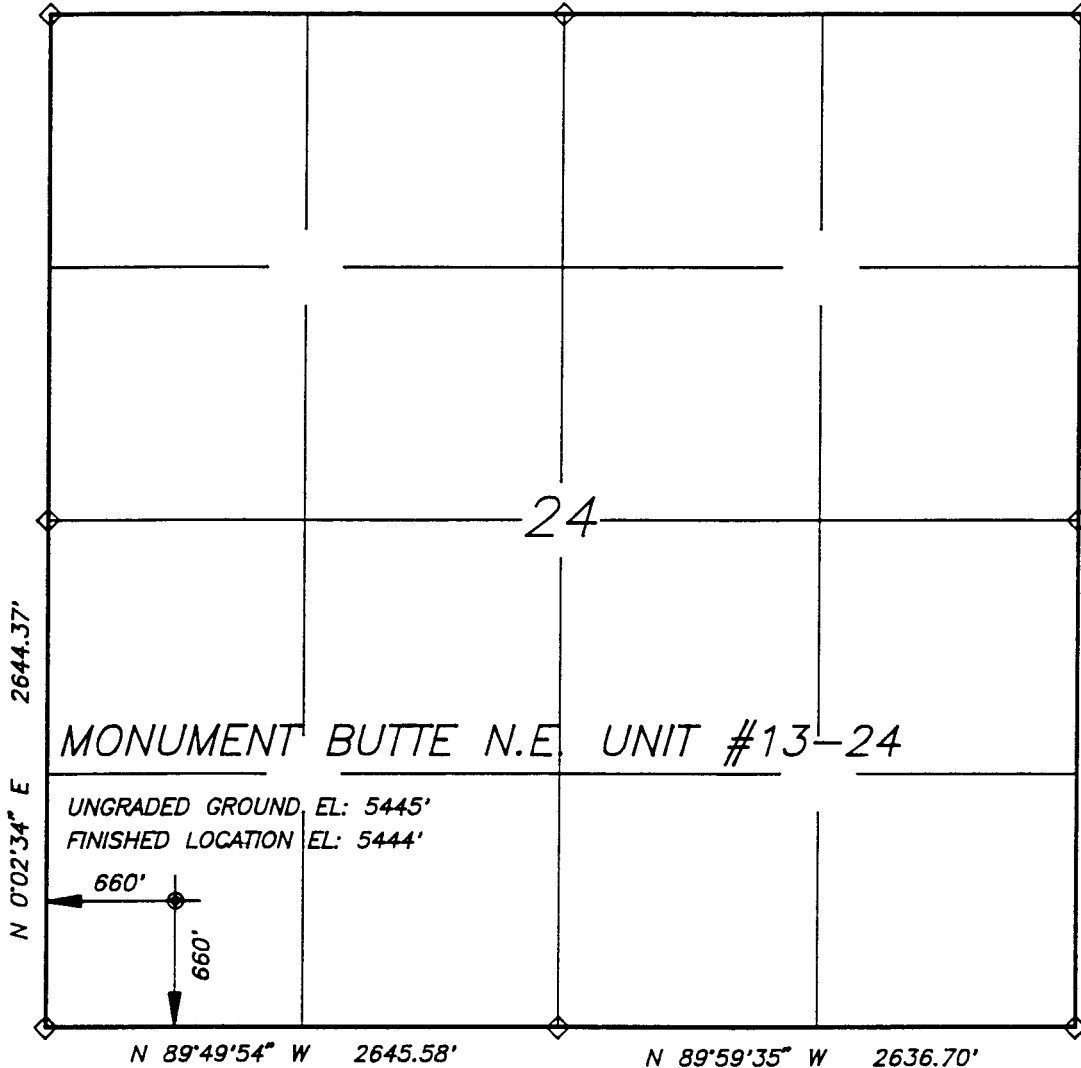
\*See Instructions On Reverse Side

INLAND PRODUCTION CO.

WELL LOCATION PLAT

MONUMENT BUTTE N.E. UNIT #13-24

LOCATED IN THE SW1/4 OF THE SW1/4  
SECTION 24, T8S, R16E, S.L.B.&M.

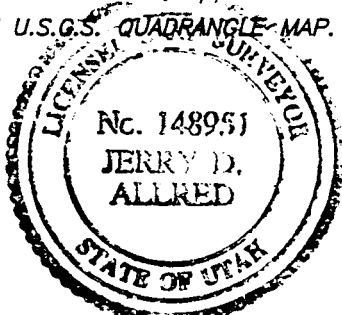


SCALE: 1" = 1000'

### LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.



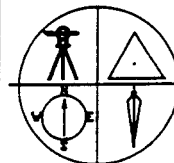
23 APR 1996

84-121-064

### SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESTER, UTAH 84021  
(801)-738-5352

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL NORTHEAST #13-24  
SW/SW SEC. 24, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3030'
Green River	3050'
Wasatch	6500'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3050' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' KB (New)

5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well be drilled with fresh water though the Uinta Formation. From the top of the Green River Formation @ 3050'  $\pm$  to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TTW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Calibur from TD to base of surface casing @ 300'  $\pm$  , and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'  $\pm$  , The cement bond log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated bottom hole pressure is 2500 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence in July, 1996 and take approximately seven days to drill.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL NORTHEAST #13-24  
SW/SW SECTION 24, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte Federal North East #13-24 located in the SW 1/4 SW1/4 Section 24, T8S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 7.4  $\pm$  miles to the beginning of an existing dirt road to the west; proceed .2 miles to the beginning of an existing dirt road to the northwest; proceed .8 miles to the beginning of the proposed access road, to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the proposed location described in Item #1 in the SE1/4 SW1/4 Section 24, T8S, R16E, S.L.B. & M., and proceeds in a westerly direction approximately 1000'  $\pm$ , to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

## MONUMENT BUTTE FEDERAL NORTH EAST #13-24

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### 3. LOCATION OF EXISTING WELLS

There are nine (9) producing, Inland Production wells and two (2) unknown P & A wells within a one (1) mile radius. See Exhibit "D".

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to BLM specification.

### 5. LOCATION AND TYPE OF WATER SUPPLY

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte oilfield. Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Monument Butte Federal Northeast #13-24.

Existing water for this well will be trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibits "C" and "C-1".

There will be no water well drilled at this site.

### 6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.



7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A small reserve pit (80 X 30 X 6' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based, containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for reinjection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this as a permanent disposal method.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the north side between stakes 4 & 5.

There will be no flare pit on this location.

The stockpiled topsoil (first six (6) inches) will be windrowed on the south, between stakes 2 & 8.

Access to the well pad will be from the southeast corner between stakes 7 & 8.

## MONUMENT BUTTE FEDERAL NORTH EAST #13-24

### **Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

### **10. PLANS FOR RESTORATION OF SURFACE**

#### **a) *Producing Location***

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

#### **b) *Dry Hole Abandoned Location***

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

### **11. SURFACE OWNERSHIP - Bureau Of Land Management**

MONUMENT BUTTE FEDERAL NORTH EAST #13-24

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
Address: P.O. Box 1446 Roosevelt, Utah 84066  
Telephone: (801) 722-5103

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #13-24 SW/SW Section 24, Township 8S, Range 16E: Lease #U-67170 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

# 5-1-96

Date

Brad Mecham

Brad Mecham  
Operations Manager

**12. OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Cultural Resource Survey will be submitted, as soon as it becomes available.

***Additional Surface Stipulations***

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

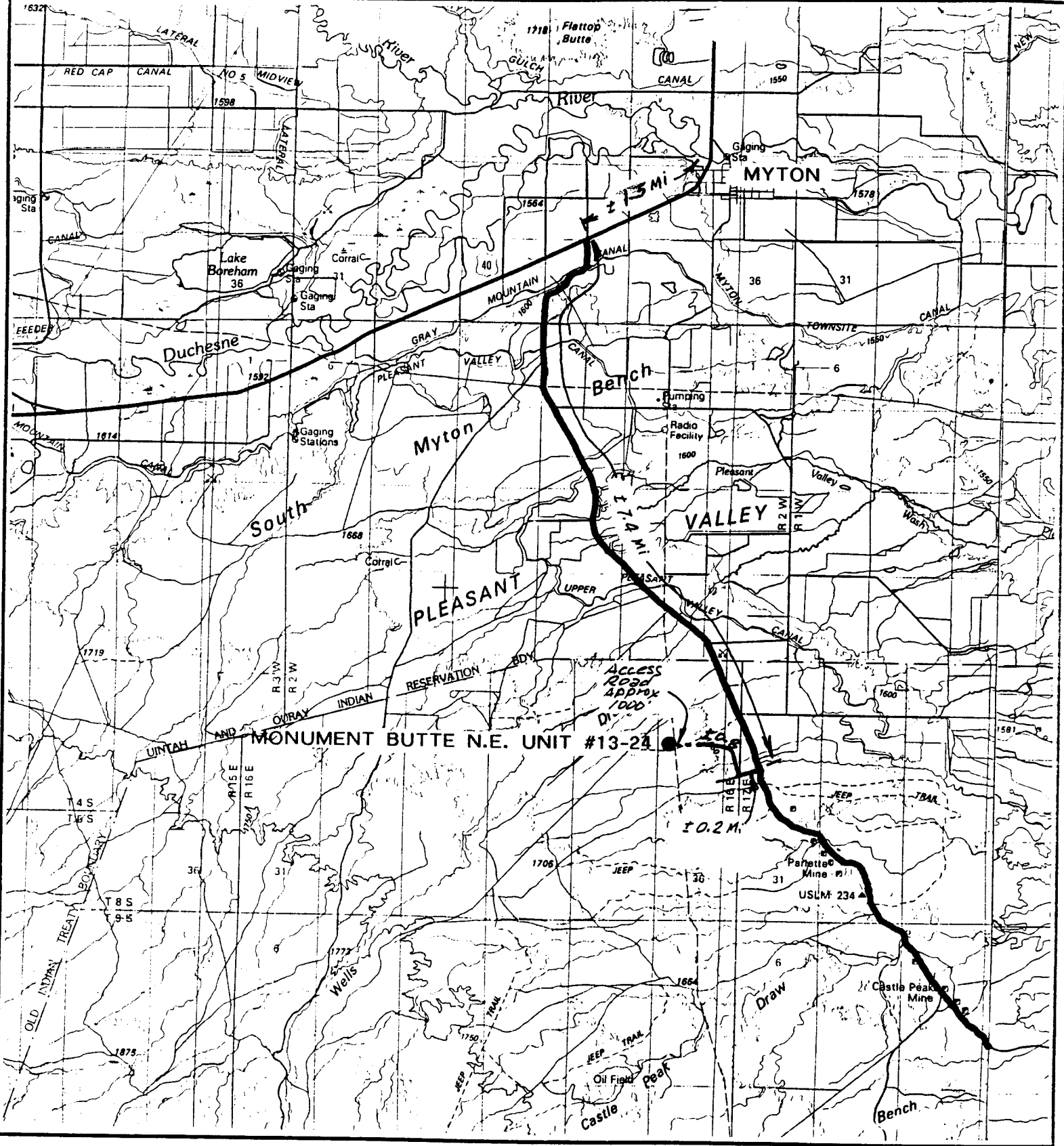
***Hazardous Material Declaration***

Inland Production Company guarantees that during the drilling and completion of the Monument Butte Federal Northeast #13-24, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Monument Butte Federal Northeast #13-24, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.



TOPOGRAPHIC  
MAP "A"

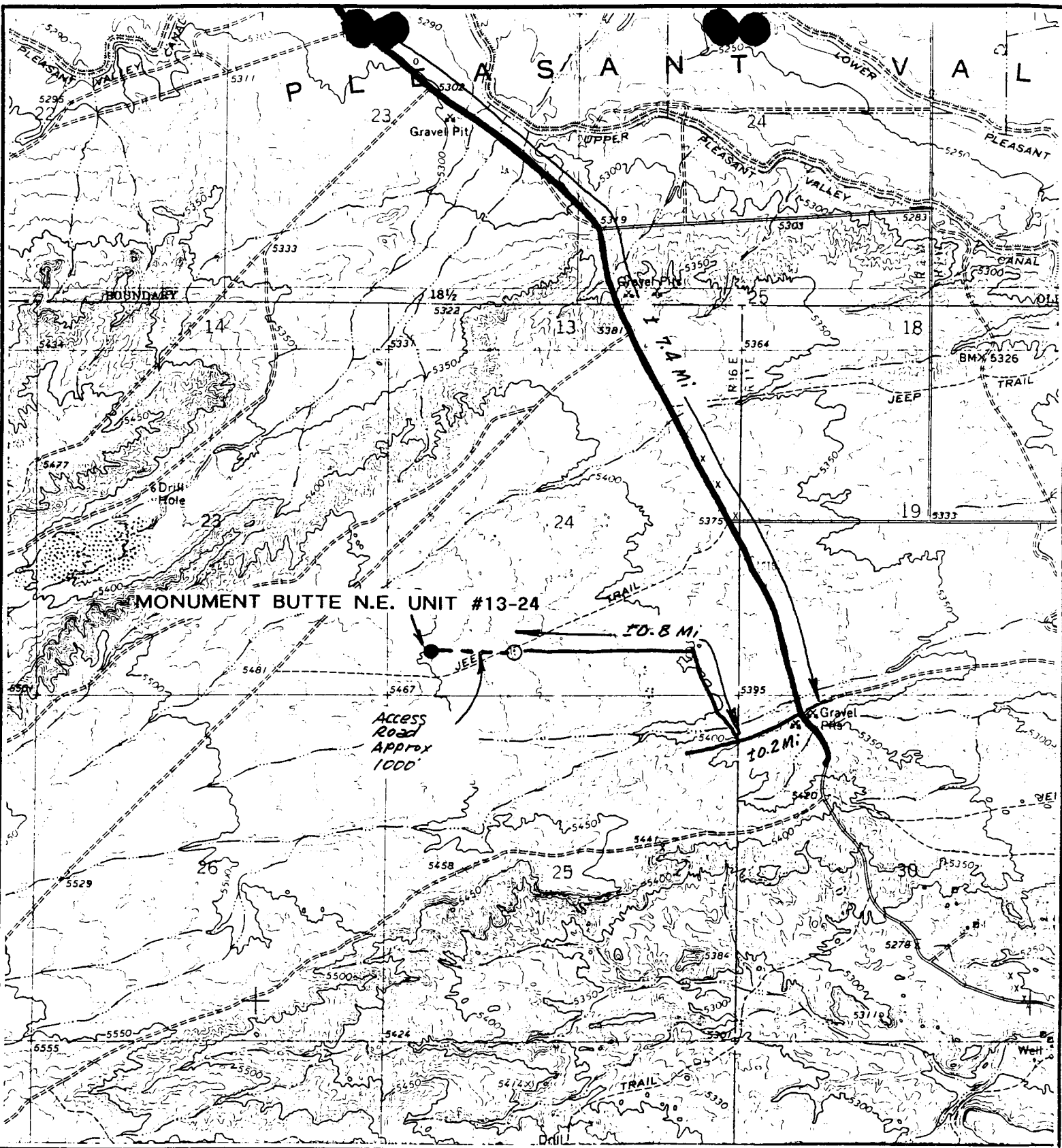


**INLAND PRODUCTION COMPANY**

MONUMENT BUTTE N.E. UNIT #13-24  
SECTION 24, T8S, R16E, S.L.B.&M.

23 Apr '96

84-121-D64



TOPOGRAPHIC  
MAP "B"  
SCALE: 1"=2000'



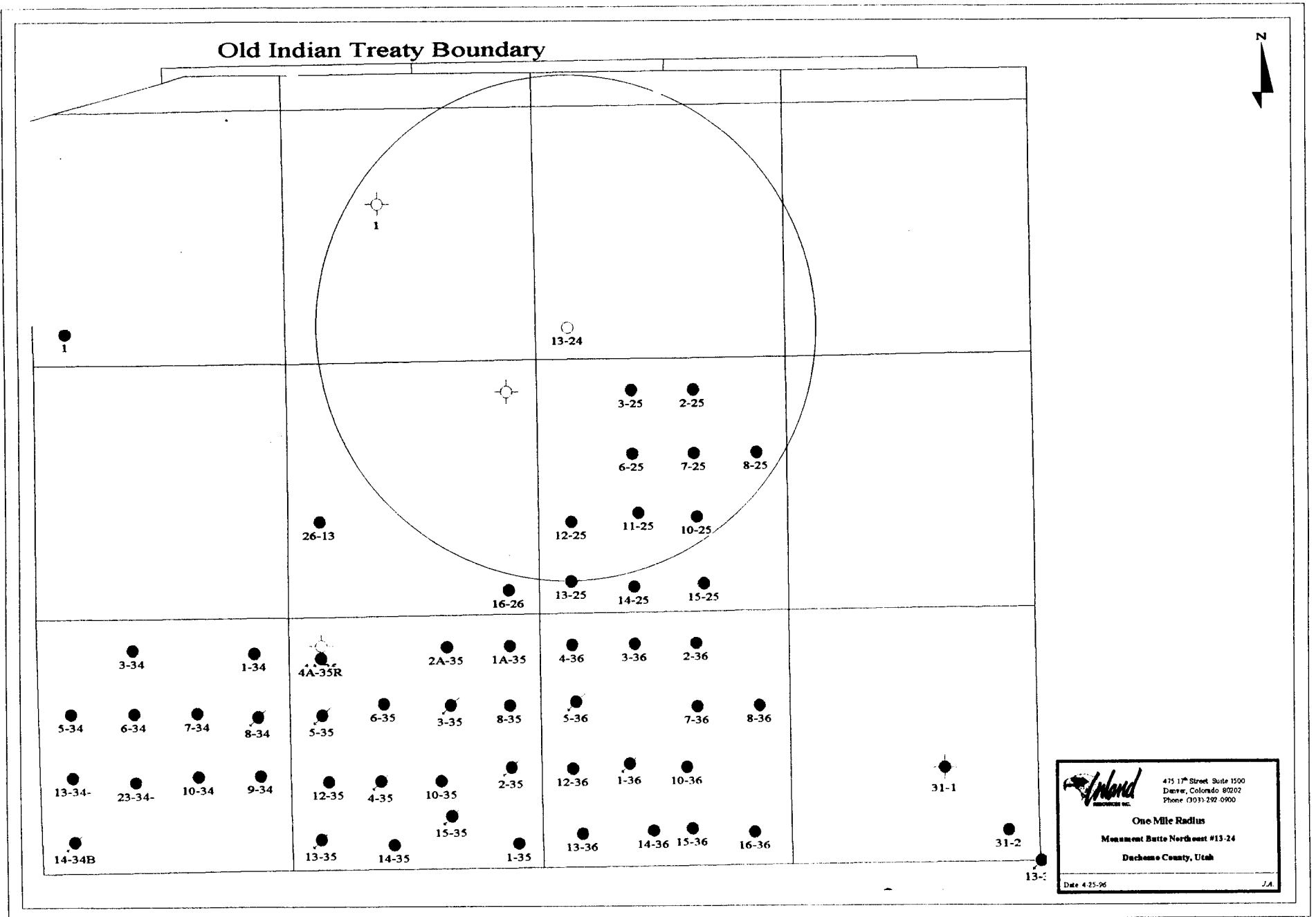
# INLAND PRODUCTION COMPANY

MONUMENT BUTTE N.E. UNIT #13-24  
SECTION 24, T8S, R16E, S.L.B.&M.

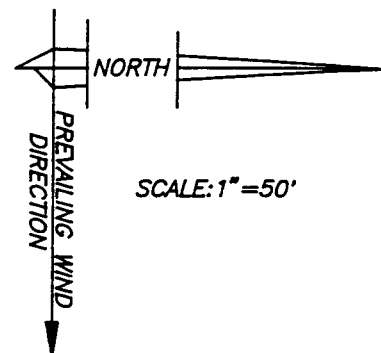
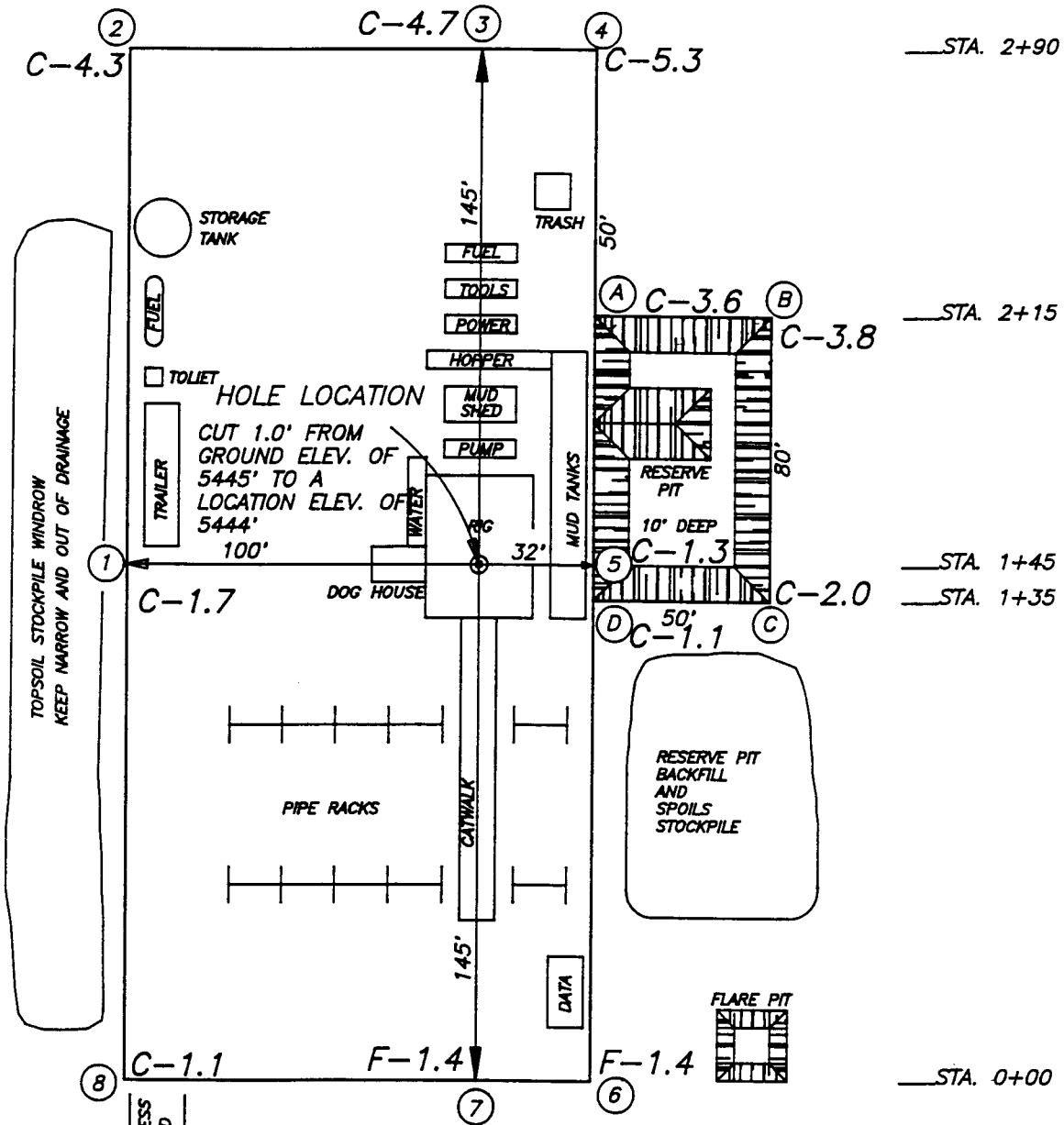
23 Apr '96

84-121-064

# EXHIBIT "D"



# INLAND PRODUCTION CO. WELL LAYOUT PLAT MONUMENT BUTTE N.E. UNIT #13-24

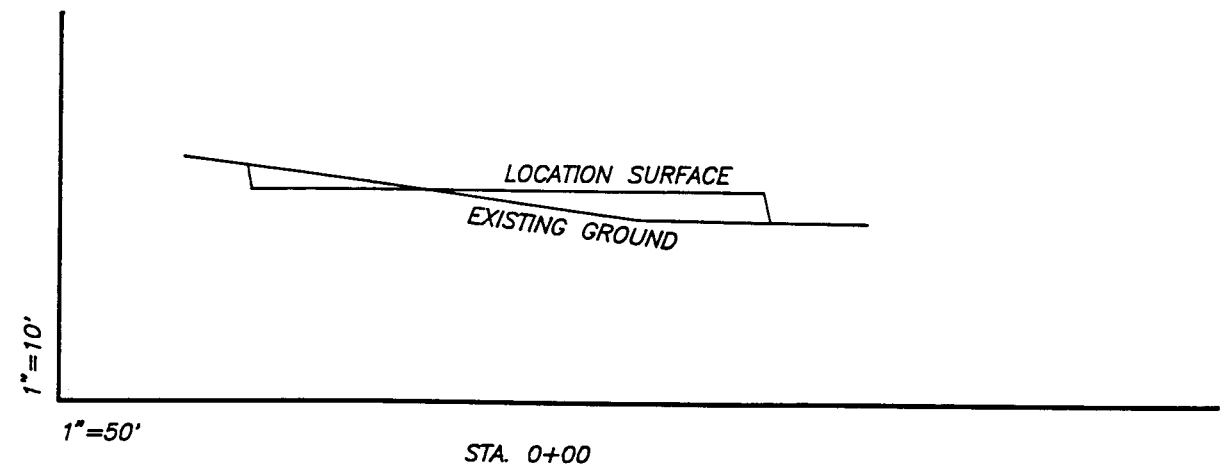
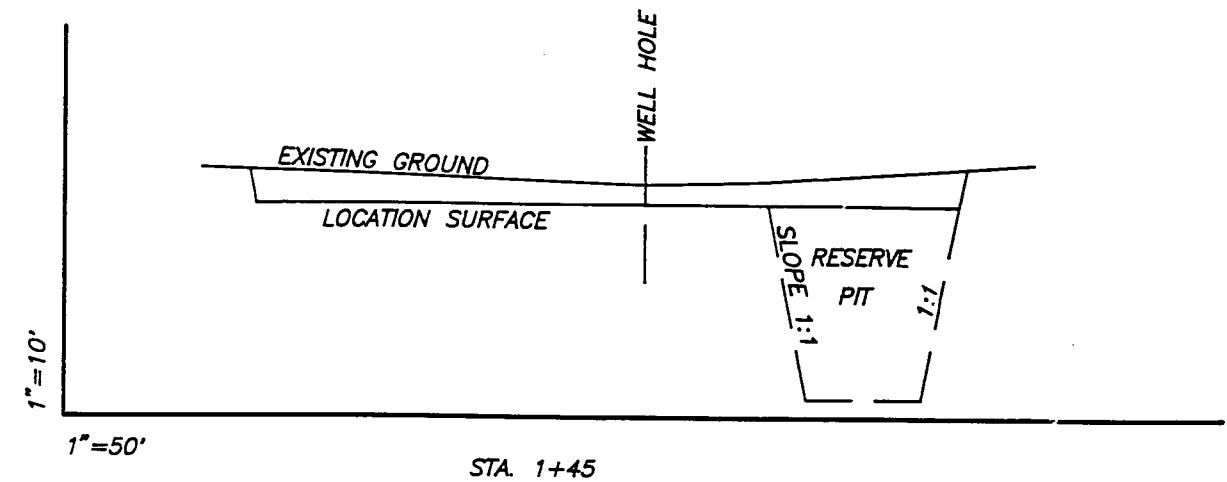
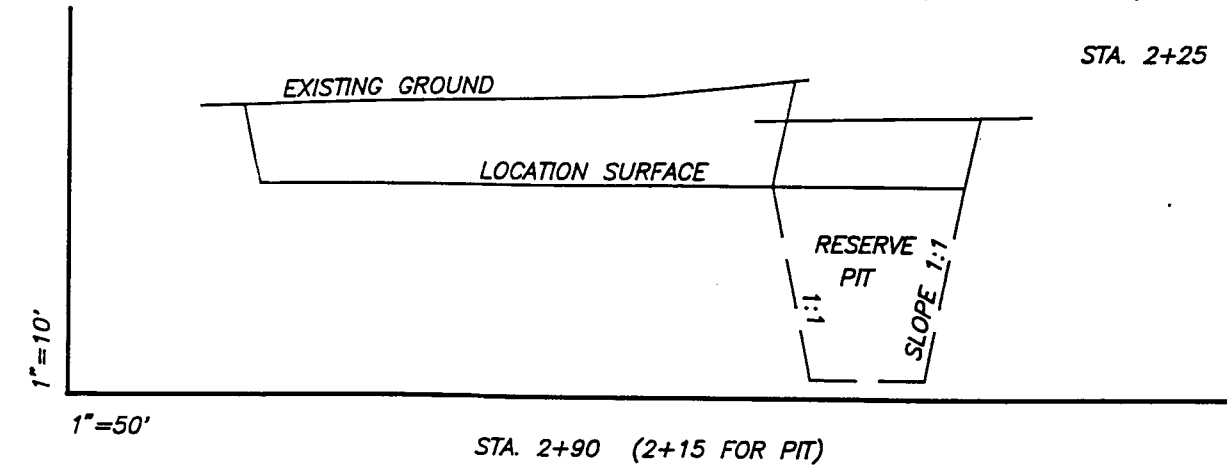


SCALE: 1"=50'

## APPROXIMATE QUANTITIES

CUT: 4300 CU. YDS. (INCLUDES PIT)  
FILL: 300 CU. YDS.

LOCATED IN THE SW1/4 OF THE SW1/4 OF SECTION 24,  
TOWNSHIP 8 SOUTH, RANGE 16 EAST, S.L.B.&M.



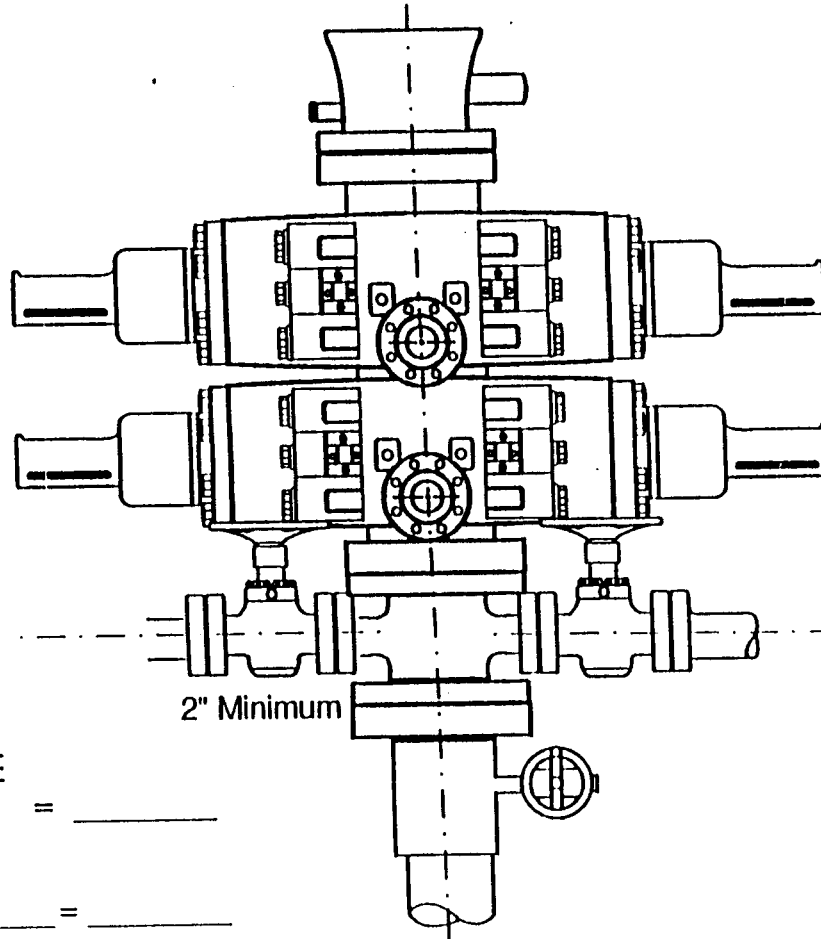
	<p><b>JERRY D. ALLRED AND ASSOCIATES</b> Surveying and Engineering Consultants</p>
	<p>121 NORTH CENTER STREET P.O. BOX 975 DUCHESNE, UTAH 84021 (801) 738-5352</p>



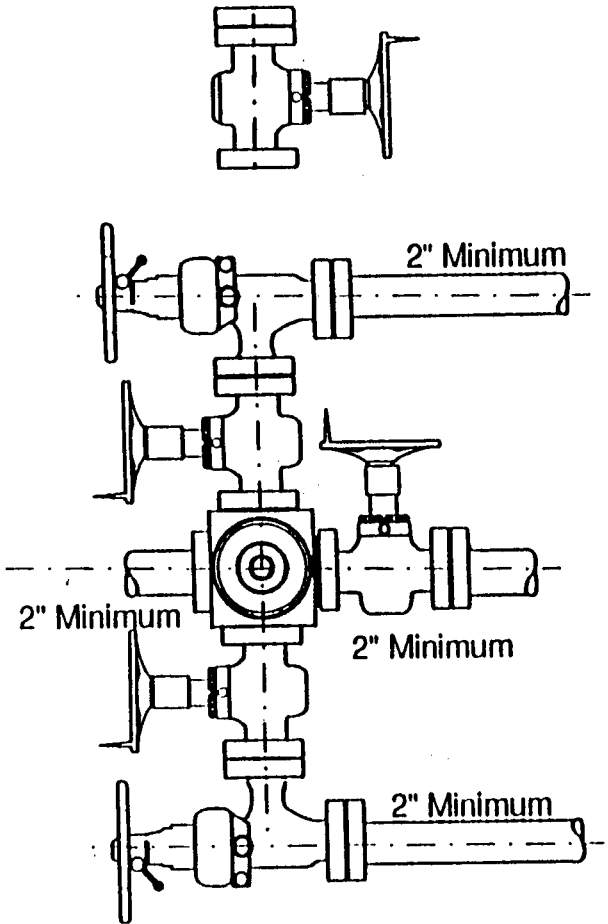
RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:

# 2-M SYSTEM

EXHIBIT F



2" Minimum



2" Minimum

2" Minimum

2" Minimum

2" Minimum

GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/06/96

API NO. ASSIGNED: 43-013-31653

WELL NAME: MONUMENT BUTTE FED NE 13-24  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

SWSW 24 - T08S - R16E  
SURFACE: 0660-FSL-0660-FWL  
BOTTOM: 0660-FSL-0660-FWL  
DUCHESNE COUNTY  
UNDESIGNATED FIELD (002)

LEASE TYPE: FED  
LEASE NUMBER: U - 67170

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 4488944)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number INTERSECTION WELL 7-32)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

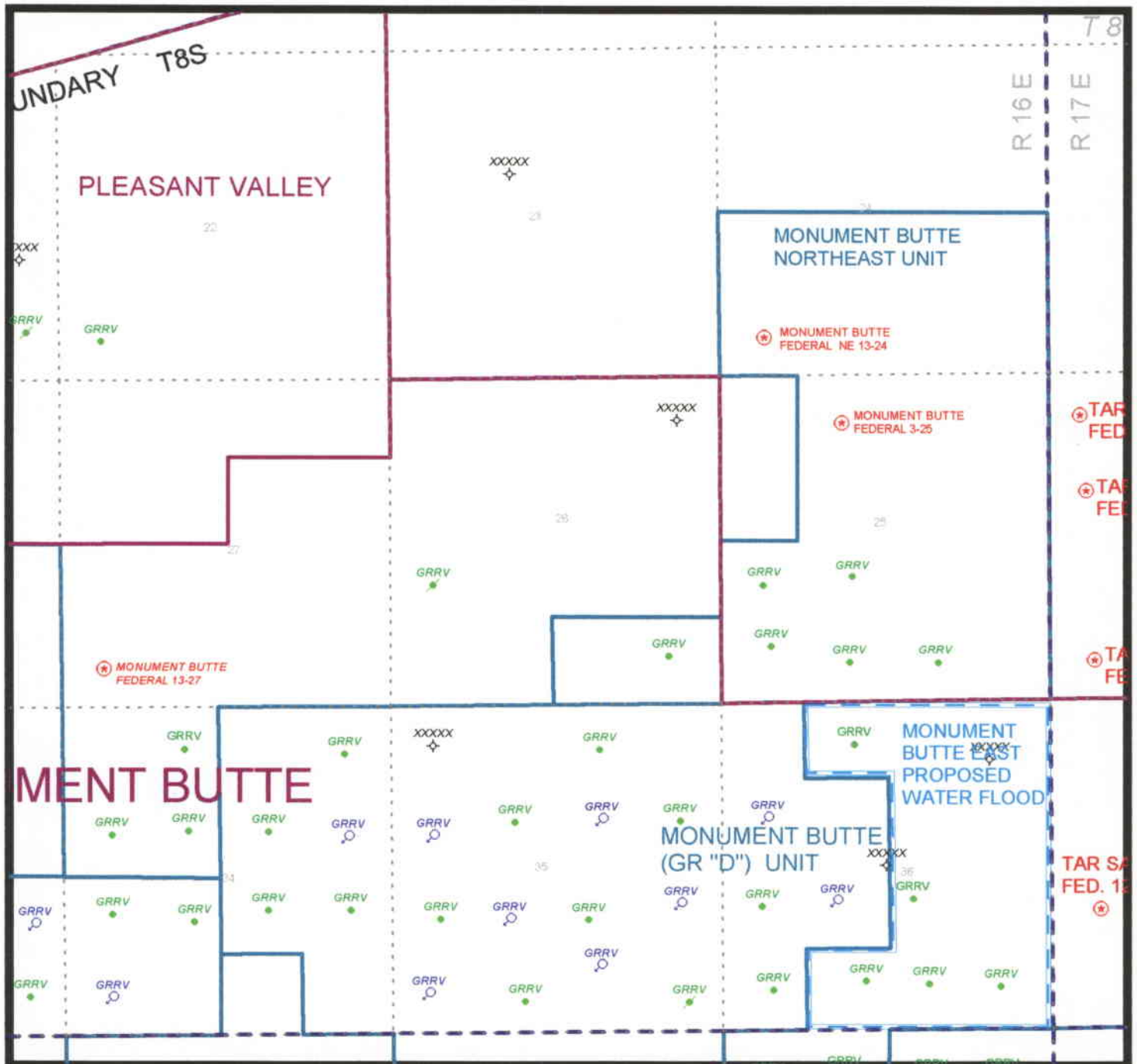
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

# INLAND PRODUCTION WATERFLOOD DEVELOPMENT SEC. 24, T8S, R16E, DUCHESNE, COUNTY R649-3-2



**PREPARED:  
DATE: 7-MAY-96**

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: INLAND PRODUCTION CO</b>	<b>Well Name: MON BUTTE FED NE 13-</b>
<b>Project ID: 43-013-31653</b>	<b>Location: SEC. 24 - T08S - R16E</b>

**Design Parameters:**

Mud weight ( 7.40 ppg) : 0.384 psi/ft  
 Shut in surface pressure : 2111 psi  
 Internal gradient (burst) : 0.060 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,500	5.500	15.50	J-55	LT&C	6,500	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)		
1	2499	4040	1.617	2499	4810	1.92	100.75	217	2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 08-01-1996  
 Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.384 psi/ft and 2,499 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

August 1, 1996

Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal NE 13-24 Well, 660' FSL, 660' FWL,  
SW SW, Sec. 24, T. 8 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31653.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Inland Production Company  
Well Name & Number: Monument Butte Federal NE 13-24  
API Number: 43-013-31653  
Lease: U-67170  
Location: SW SW Sec. 24 T. 8 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

DOGMAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. BOX 1446 Roosevelt, Utah 84066 (801)722-5103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface SW/SW

At proposed prod. zone

660' FWL & 660' FSL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

8.4 miles south of Myton, Utah

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

960

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

6500'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5445' GR

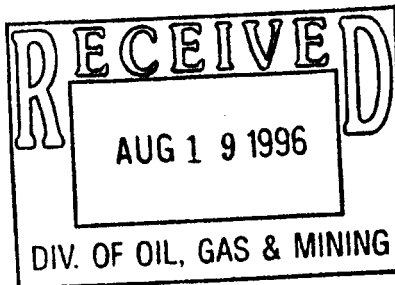
22. APPROX. DATE WORK WILL START\*

3rd Qtr 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G + 2%CaCl+2%gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/10% CaCl

The cement volumes will be calculated off of the open hole logs,  
plus 15% excess.



RECEIVED  
MAY 06 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Brad Mecham

SIGNED

TITLE Operations Manager

DATE 04/30/96

(This space for Federal or State office use)

PERMIT NO.

NOTICE OF APPROVAL

APPROVAL DATE

Assistant Field Manager

DATE AUG 05 1996

APPROVED BY

TITLE

Mineral Resources

DATE

CONDITIONS OF APPROVAL, IF ANY:

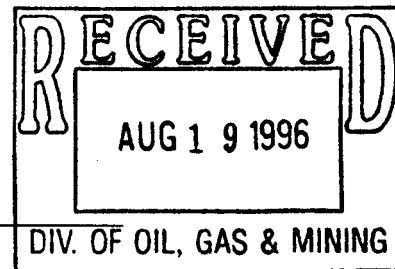
CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

44-080-6m-117

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Inland Production Company

Well Name & Number: Monument Butte Federal Northeast 13-24

API Number: 43-013-31653

Lease Number: U -67170

Location: SWSW Sec. 24 T. 8S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.



### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. DRILLING PROGRAM

##### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

##### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at 410 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 210$  ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office. A Sonic log will be run from TD to a minimum of 200 ft above the top of the Mahogany oil shale.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed.

All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 781-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

-Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

-All vehicle travel will be confined to existing access road rights-of-way.

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: MONUMENT BUTTE NE 13-24

Api No. 43-013-31653

Section 24 Township 8S Range 16E County DUCHESNE

Drilling Contractor

Rig #:

SPUDDED:

Date: 8/26/96

Time:

How: DRY HOLE

Drilling will commence:

Reported by: D. INGRAM-DOGM

Telephone #:

Date: 8/27/96 Signed: FRM



## DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: MONUMENT BUTTE FEDERAL NE 13-24

Api No. 43-013-31653

Section 24 Township 8S Range 16E County DUCHESNE

Drilling Contractor APOLLO

Rig #: 59

SPUDDER:

Date: 9/9/96

Time: \_\_\_\_\_

How: ROTARY

Drilling will commence:\_\_\_\_\_

Reported by: D. INGRAM-DOGM

Telephone #: \_\_\_\_\_

Date: 9/5/96 Signed: FRM

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FBI APPROVED

Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well    ☐ Gas well    ☐ Other

## 2. Name of Operator

*Inland Production*

## 3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT (801) 722- 5103

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

 SW/SW 660' FWL & 660' FSL  
 Sec. 24, T8S, R16E

## 5. Lease Designation and Serial No.

*U-67170*

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

*MBFNE # 13-24*

## 9. API Well No.

*43-013-31653*

## 10. Field and Pool, or Exploratory Area

## 11. County or Parish, State

*Duchesne, UT*

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

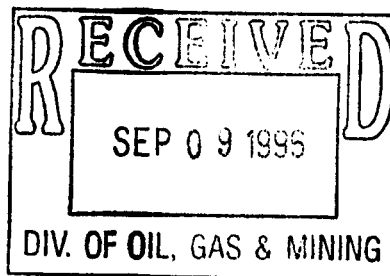
## TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☒ Other *Spud Notification*
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

*Drilled 30' of 17 1/2" hole w/ Leon Ross rathole rig. Set 30' of 13 3/8" conductor & 30 sx cmt. Drill 305' of 2 1/4" hole. Set 290.65' GL of 8 5/8" 24# J-55 Csg. Cmt w/ 120 sx Halco 2% Gel, 2% CC+ 1/4 #/SK flocele.*

*Spud on 8/26/96*

## 14. I hereby certify that the foregoing is true and correct

 Signed *Cheryl Cameron* *Cheryl Cameron* Regulatory Compliance Specialist Date *8/30/96*

(This space of Federal or State office use.)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: INLAND PRODUCTION COMPANY COMPANY REP: RUSSELL IVIE

WELL NAME: MON. BUTTE FED. 13-24 API NO 43-013-31653

QTR/QTR: SW/SW SECTION: 24 TWP: 8S RANGE: 16E

CONTRACTOR: CAZA DRILLING COMPANY RIG NUMBER: #59

INSPECTOR: DAVID HACKFORD TIME: 2:15 PM DATE: 9/16/96

SPUD DATE: DRY: 8/26/96 ROTARY: 9/9/96 PROJECTED T.D.: 6500'

OPERATIONS AT TIME OF VISIT: DRILLING 7 7/8" HOLE AT 5922'.

WELL SIGN: Y MUD WEIGHT 8.5 LBS/GAL ROPE: Y

BLOODIE LINE: N FLARE PIT: N H2S POTENTIAL: N

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: N PLASTIC: N

RUBBER: N BENTONITE: N SANITATION: Y

ROPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: YES

REMARKS:

SURVEY AT 5364' WAS 1 3/4 DEGREES. DRILLING WITH MUD MOTOR AND  
KCL WATER.

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well☐ Gas well☐ Other

## 2. Name of Operator

**Inland Production Co.**

## 3. Address and Telephone No.

**P.O. Box 1446 Roosevelt, Ut 84066 (801) 722-5103**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW 660' FwI & 660' FSL****Sec. 24, T8S, R17E****16E**

## 5. Lease Designation and Serial No.

**U-67170**

## 6. If Indian, Alottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

**MBFNE # 13-24**

## 9. API Well No.

**43-013-31653**

## 10. Field and Pool, or Exploratory Area

## 11. County or Parish, State

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

## TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing repair

☐

Altering Casing

☒Other **Weekly Status**☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-off

☐

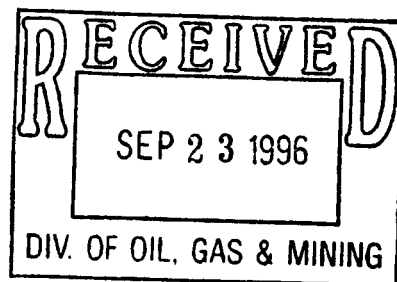
Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**Weekly Status Report for week of 9/9/96-9/17/96****Drilled 7 7/8" hole from 303'-6300' w/ CAZA, Rig #59.****Set 6298.80' KB of 5 1/2" 15.5# J-55 csg. Cmt w/****455 sx Hybond & 330sx Thixo w/ 10% Calseal.****RDMOL.**

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**9/19/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

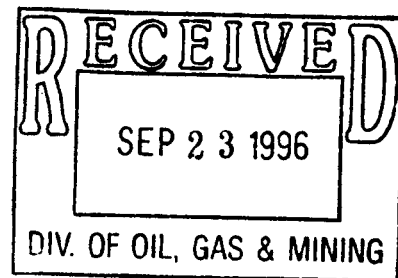
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**



September 19, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078



**ATTENTION: Ed Forsman**

RE: Tar Sands Federal #5-30 ✓  
SW/NW Sec. 30, T8S, R17E

Ashley Federal #12-24R ✓  
NW/SW Sec. 24, T9S, R15E

Tar Sands Federal #5-33 ✓  
SW/NW Sec. 33, T8S, R17E

Monument Butte Federal NE #13-24 ✓  
Sec. 24, T8S, R17E

Dear Ed,

Enclosed is the original, and two copies (each) of the Sundry Notices and Reports on wells, for the above referenced locations. Copies will also be submitted to the State of Utah.

Please contact me in the Roosevelt office (801 722-5103), if you have questions, or need additional information.

Sincerely,  
  
Cheryl Cameron  
Regulatory Compliance Specialist

cc: State of Utah  
Division of Oil Gas & Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Enclosures

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well



Oil Well



Gas well



Other

## 2. Name of Operator

Inland Production

## 3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT (801) 722-5103

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW / SW 660' FWL &amp; 660' FSL

Sec 24, T8S, R16E

## 5. Lease Designation and Serial No.

U -67170

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

MBFNE # 13-24

## 9. API Well No.

43-013-31653

## 10. Field and Pool, or Exploratory Area

## 11. County or Parish, State

Duchesne, UT

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

## TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing

Other Spud Notification

Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

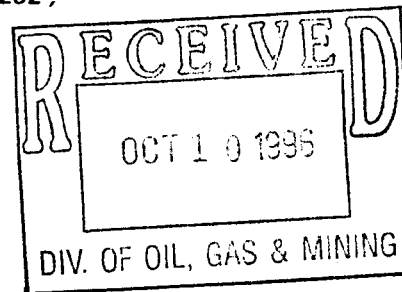
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 9/27/96 - 10/3/96:**

Perf D sd 5141' - 5145', 5185' - 5188', 5192' - 5196', 5198' - 5202',  
5205' - 5209', 5259' - 5263' & frac

RIH w/ production string

ON PRODUCTION 10/3/96



14. I hereby certify that the foregoing is true and correct

Signed

Cheryl Cameron

Title

Regulatory Compliance Specialist

Date

10/4/96

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(Other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

5. I.C.A.B.E. DESIGNATION AND SERIAL NO.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

U-67170

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Monument Butte Fed #13-24

9. API WELL NO.

43-013-31653

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 24, T8S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

1a. TYPE OF WELL:

OIL WELL

☒

GAS WELL

☐

DRY

☐ Other

b. TYPE OF COMPLETION:

NEW WELL

☒

WORK OVER

☐

DEEP-EN

☐

PLUG BACK

☐

WELL CENTER

☐

Other

NOV 04 1996

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 790233 Vernal, UT 84079

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface SW/SW

At top prod. interval reported below 660' FWL &amp; 660' FSL

At total depth

14. PERMIT NO.

UT0806M117

DATE ISSUED

8/5/96

15. DATE SPUDDED

8/26/96

16. DATE T.D. REACHED

9/16/96

17. DATE COMPL. (Ready to prod.)

10/3/96

18. ELEVATIONS (DP, RKB, RT, OR, ETC.)\*

5445' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

6300'

21. PLUG BACK T.D., MD &amp; TVD

6299'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Green River  
5141'-5145', 5185'-5188', 5192'-5196', 5198'-5202', 5205'-5209',  
5259'-5263'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DLL, CNL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	290.65 GL	12 1/4	120 sx Halco, 2% gel & 2% CC w/ 1#/sk flocele	
5 1/2	15.5#	6298.80 KB	7 7/8	455 sx Hybond followed by 330 sx Thixo w/ 10% Calseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

D sd @ 5141'-5145', 5185'-5188',  
5192'-5196', 5198'-5202',  
5205'-5209', 5259'-5263'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Back	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
10/3/96		Pumping - 1½" THD pump					Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
10 Day avg	10/96	N/A	→	295	315	6	1.2	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used For Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Cheryl Cameron  
Cheryl Cameron

TITLE

Regulatory

Compliance Specialist

DATE

10/31/96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

Other in-  
formation on  
reverse side)FORM APPROVED  
OMB NO. 1004-0177  
Expires: February 28, 1995

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other _____		5. CASE DESIGNATION AND SERIAL NO. U-67170	
1b. TYPE OF COMPLETION: New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Rekey <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Rekey <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME U-67170	
2. NAME OF OPERATOR Inland Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 790233 Vernal, UT 84079		8. FARM OR LEASE NAME, WELL NO. Monument Butte Fed #13-24	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SW/SW At top prod. interval reported below 660' FWL & 660' FSL At total depth		9. API WELL NO. 43-013-31653	
14. PERMIT NO. UT0806M117		10. FIELD AND POOL, OR WILDCAT Monument Butte	
DATE ISSUED 8/5/96		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, T8S, R16E	
15. DATE SPUDDED 8/26/96		12. COUNTY OR PARISH Duchesne	
16. DATE T.D. REACHED 9/16/96		13. STATE UT	
17. DATE COMPL. (Ready to prod.) 10/3/96		19. ELEV. CASINGHEAD 5445' GR	
18. ELEVATIONS (DV. REB. RT. OR, ETC.)*		20. TOTAL DEPTH, MD & TVD 6300'	
21. PLUG BACK T.D., MD & TVD 6299'		22. IF MULTIPLE COMPL., HOW MANY?	
23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5141'-5145', 5185'-5188', 5192'-5196', 5198'-5202', 5205'-5209', 5259'-5263' Green River	
25. TYPE ELECTRIC AND OTHER LOGS RPN CBL, DLL, CNL 11-4-96		26. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORDED No		28. CASING RECORD (Report all strings set in well)	
29. CASING SIZE/GRADE 8 5/8		WEIGHT, LB./FT. 24#	
DEPTH SET (MD) 290.65 GL		HOLE SIZE 12 1/4	
TOP OF CEMENT, CEMENTING RECORD 120 sx Halco, 2% gel & 2% CC w/ 1#/sk flocele		AMOUNT PULLED	
5 1/2		15.5#	
6298.80 KB		7 7/8	
455 sx Hybond followed by 330 sx Thixo w/ 10% Calseal			
30. LINER RECORD		31. TUBING RECORD	
SIZE TOP (MD) BOTTOM (MD) BACKS CEMENT* SCREEN (MD)		SIZE DEPTH SET (MD) PACKER SET (MD)	
32. PERFORATION RECORD (Interval, size and number) D sd @ 5141'-5145', 5185'-5188', 5192'-5196', 5198'-5202', 5205'-5209', 5259'-5263'		33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Back	
34. PRODUCTION		35. WELL STATUS (Producing or shut-in) Producing	
DATE FIRST PRODUCTION 10/3/96		PRODUCTION METHOD (Flowing, gas lift, pumpjack—size and type of pump) Pumping - 1 1/2" THD pump	
DATE OF TEST 10 Day avg		HOURS TESTED 10/96	
CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD 293	
OIL—BSL.		GAS—MCF. 315	
WATER—BSL.		GAS-OIL RATIO 6	
OIL GRAVITY-API (CORR.) 1.2			
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used For Fuel		TEST WITNESSED BY	
37. LIST OF ATTACHMENTS Logs in Item #26			
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Cheryl Cameron		TITLE Regulatory Compliance Specialist	
DATE 10/31/96			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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7. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals; and all drill-stems, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	NEAR. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr Point 3 Mkr X Mkr X Mkr Douglas Ck Mkr Bicarbonate Mkr Limestone Mkr Castle Peak Basal Carb.	4471' 4759' 5000' 5031' 5157' 5428' 5566' 6057' NDE		#32. Perf D sd @ 5141'-5145', 5185'-5188', 5192'-5196', 5198'-5202', 5205'-5209', 5259'-5263', Frac w/ 112,600# 20/40 sd in 579 Hbls gel.			

RECEIVED  
 NOV 13 1993  
 DIV. OF OIL GAS & MINING

## APPLICATION FOR INJECTION WELL - UIC FORM 1

Well name and number: Monument Butte Federal NE #13-24

Well location: QQ SWSW section 24 township 8S range 16E county Duchesne

Is this appilcation for a new well to be drilled?     \_ \_ \_ \_ \_ Yes ☐    No ☒

Date of test: 9/27/96  
API number: 43-013-31653

Proposed injection zone contains ☐ oil, ☐ gas, and/or ☐ fresh water within 1/2 mile of the well.

List of Attachments: Exhibits "A" through "G"

Signature Bo Meck  
Date 4-3-97

Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

RECEIVED  
APR 09 1997  
DIV. OF GEOL. & MIN.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS**  
**RULE R615-5-1**

- 1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. *The name and address of the operator of the project;*

**Answer:** Inland Production Company  
P.O. Box 1446  
W. Poleline Road  
Roosevelt, Utah 84066

2.2. *A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile radius of the project area;*

**Answer:** Reference Exhibit "A".

2.3. *A full description of the particular operation for which approval is requested;*

**Answer:** To approve the conversion of the Monument Butte Federal NE #13-24 from a producing oil well to a water injection well in the Monument Butte field; and to approve the installation of an injection line. The line would leave the injection facility at the Monument Butte NE #15-24, and proceed north, approximately 2640', to the proposed Monument Butte NE #13-24 injection well. The proposed injection line would be a 3" coated steel pipe buried 5' below surface and would provide injection water to the Monument Butte NE #13-24, from our existing water injection line. Reference Exhibit "B".

2.4. *A description of the pools from which the identified wells are producing or have produced;*

**Answer:** The proposed injection well will inject into the Green River Formation.

2.5. *The names, description and depth of the pool or pools to be affected;*

**Answer:** The Green River Formation pool targeted for injection is the D sands with a gamma ray derived top @ 5141'. The injection zones are a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above at ( 5031',) and below (5428') the injection zones are composed of tight, moderately calcareous lacustrine shale.

2.6. *A copy of a log of a representative well completed in the pool;*

**Answer:** Referenced log Monument Butte Federal NE #13-24 is currently on file with the Utah Division of Oil, Gas & Mining.

- 2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

**Answer:** Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	1000 BPD

- 2.8. *A list of all operators or owners and surface owners within a one-half mile radius of the proposed project;*

**Answer:** Reference Exhibit "C".

- 2.9. *An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection;*

**Answer:** Reference Exhibit "D".

- 2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

**Answer:** Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

- 4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

**Answer:** This proposed injection well is within the Monument Butte Field and the request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE  
AND ENHANCED RECOVERY WELLS  
SECTION V - RULE 615-5-2**

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well;*

**Answer:** Reference Exhibits "A" and "C".

- 2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

**Answer:** All logs are on file with the Utah Division of Oil Gas & Mining.

- 2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

**Answer:** A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining

- 2.4. *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

**Answer:** All copies are on file with the Utah Division of Oil, Gas & Mining.

- 2.5. *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

**Answer:** The casing program is 8-5/8" 24# J-55 surface casing run to 290.65' GL, and the 5 1/2" casing from surface to 6298.80' KB. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-5".

- 2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

**Answer:** Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	1000 BPD

- 2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

**Answer:** A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1 through "F-2."

2.8. *The proposed average and maximum injection pressures;*

**Answer:** Proposed average and maximum injection pressures;

Average Injection Pressure:  $P_m = [.78 - (.433)(1.005)] = 435$   
 $P_m = 1842$  psig

Maximum Injection Pressure:  $P_m = [.89 - (.433)(1.005)] = 435$   
 $P_m = 2421$  psig

2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

**Answer:** The frac gradient for the Monument Butte Federal #13-24, for existing zones (5141'-5263'), averages approximately .78 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

**Answer:** In the Monument Butte Federal #13-24, the injection zone is in the D sands (5141'-5263'), contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The top of the Douglas Creek Member, estimated at approximately 5130'. The estimated average porosity is 14%; the estimated fracture pressure is 1842# psi.

The confining stratum directly above and below the injection zone is the Y Marker member of the Green River Formation, and the Bicarbonate Marker. (Y marker @ 5031', and the Bicarbonate Marker @ 5428'.) The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shale. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it. Maps and cross sections to the Monument Butte area are on file with the Division of Oil, Gas & Mining.

2.11. *A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

**Answer:** Exhibits "E-1" through "E-5".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well;*

**Answer:** Exhibit "D".

2.13. *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

***Answer:*** Inland Production Company will await review of this application and additional information will be submitted if required.

- 3) Applications for injection wells which are within a recovery project area will be considered for approval.
  - 3.1. Pursuant to Rule 615-5-1-3
  - 3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.
- 4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.
- 5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

**INLAND PRODUCTION COMPANY**

**Monument Butte Federal NE #13-24  
Sec. 24, T8S, R16E  
Duchesne County, Utah**

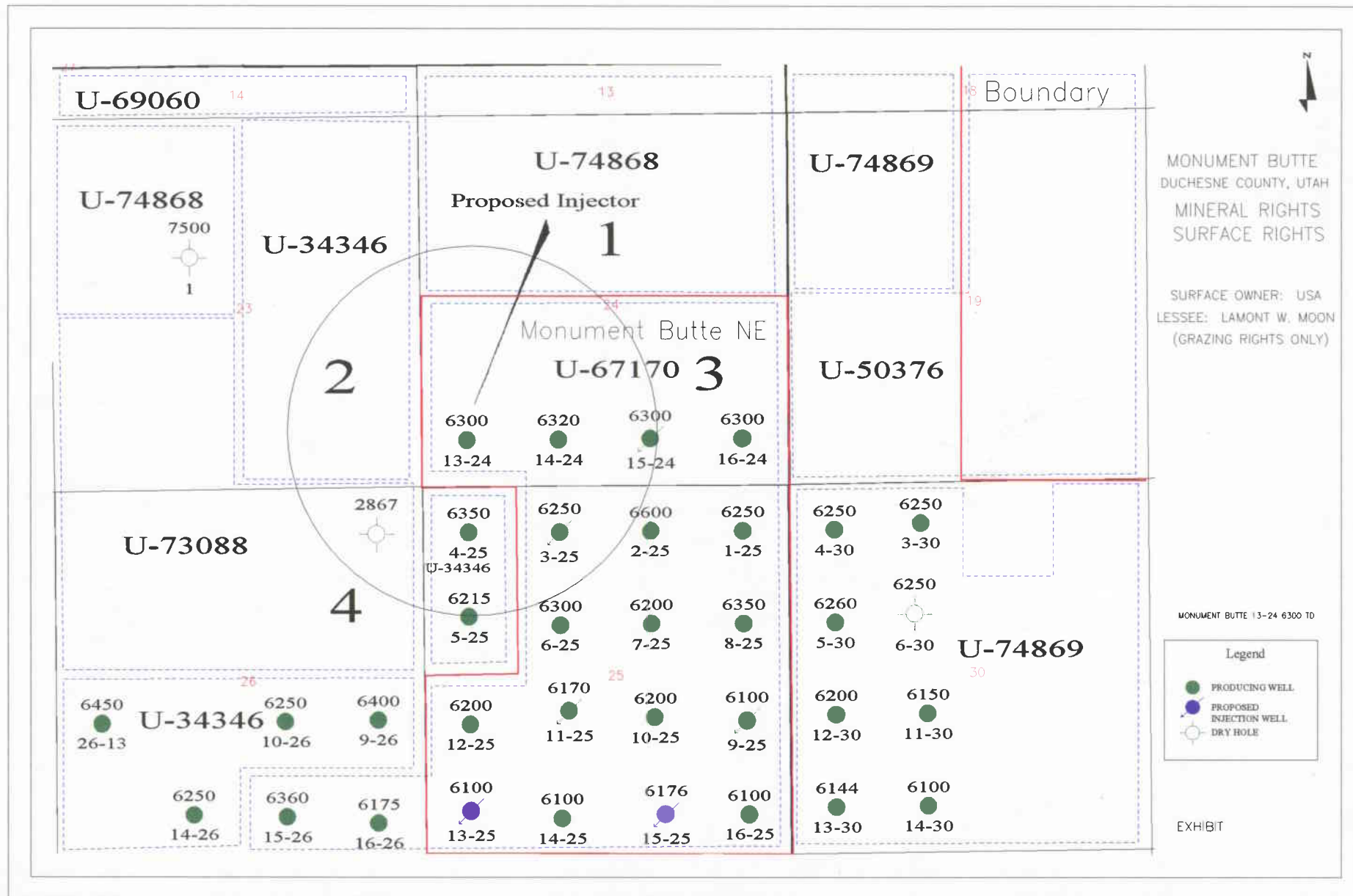
**PLUGGING & ABANDONMENT PLAN**

The plugging and abandonment plan consists of the following plugs:

- PLUG #1:** Set 150' balanced plug inside 5 ½" csg from 3850' - 3700'. Circ well to 2400' w/ 8.4 PPG fluid.
- PLUG #2:** Set 150' balanced plug inside 5 ½" csg from 2400'-2250'. Circ well to 340' w/ 8.4 PPG fluid.
- PLUG #3:** Set 150' balanced plug inside 5 ½" csg from 340'-240'. Circ cement to surface. Circ well to surface w/ 8.4 PPG fluid.
- PLUG #4:** Cmt plug at surface inside 5 ½" csg 50' - surface. Cut well head off.
- Install dry hole marker & restore location.

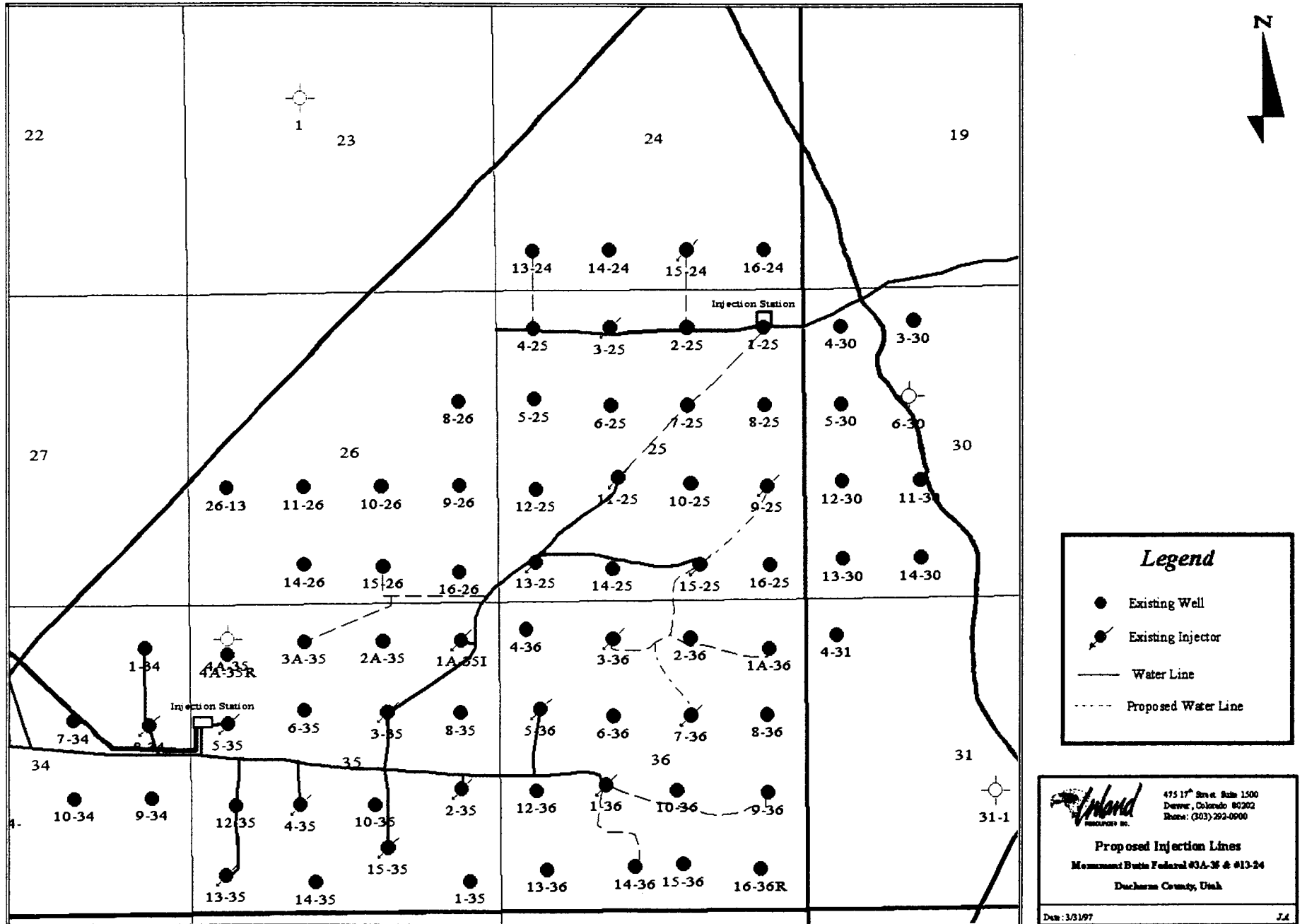


# EXHIBIT "A"



Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
1	Township 8 South, Range 16 East Section 13: All (excluding Patent #813321) Section 22: NE/4 Section 23: NW/4 Section 24: N/2 (excluding Patent #813321 & 884015)	USA	Inland Production Company	U-74868 10/18/2005	Lamont W. Moon
2	Township 8 South, Range 16 East Section 23: E/2 Section 25: W/2NW/4 Section 26: N/2S/2, S/2SW/4	USA	Inland Production Company Citation 1994 Investment Ltd	U-34346 HBP	Lamont W. Moon
3	Township 8 South, Range 16 East Section 24: S/2 Section 25: S/2, NE/4, E/2NW/4 Section 26: S/2SE/4	USA	Inland Production Company	U-67170 HBP	Lamont W. Moon
4	Township 8 South, Range 16 East Section 22: Lot 1, NE/4NW/4, S/2NW/4, SE/4 Section 23: SW/4 Section 26: N/2 Section 27: NE/4, S/2NW/4, N/2S/2	USA	Inland Production Company	U-73088 HBP	Lamont W. Moon

EXHIBIT "B"



## EXHIBIT "C"

Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
1	Township 8 South, Range 16 East Section 13: All (excluding Patent #813321) Section 22: NE/4 Section 23: NW/4 Section 24: N/2 (excluding Patent #813321 & 884015)	USA	Inland Production Company	U-74868 10/18/2005	Lamont W. Moon
2	Township 8 South, Range 16 East Section 23: E/2 Section 25: W/2NW/4 Section 26: N/2S/2, S/2SW/4	USA	Inland Production Company Citation 1994 Investment Ltd	U-34346 HBP	Lamont W. Moon
3	Township 8 South, Range 16 East Section 24: S/2 Section 25: S/2, NE/4, E/2NW/4 Section 26: S/2SE/4	USA	Inland Production Company	U-67170 HBP	Lamont W. Moon
4	Township 8 South, Range 16 East Section 22: Lot 1, NE/4NW/4, S/2NW/4, SE/4 Section 23: SW/4 Section 26: N/2 Section 27: NE/4, S/2NW/4, N/2S/2	USA	Inland Production Company	U-73088 HBP	Lamont W. Moon

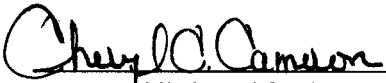
EXHIBIT "D"

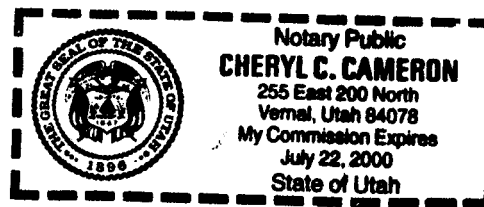
RE: Application for Approval of Class II Injection Well  
Monument Butte Federal NE #13-24.

I certify that a copy of the application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

  
INLAND PRODUCTION COMPANY  
Brad Mecham  
District Manager

Sworn to and subscribed before me this 2nd day of April 1997.

  
Notary Public in and for the State of Utah



## Monument Butte Federal #13-24

Spud Date: 9/9/96  
 Put on Production: 10/3/96  
 GL: 5445' KB: 5458'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts. (291.75')  
 DEPTH LANDED: 290.65' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (6308.80')  
 DEPTH LANDED: 6298.80' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 455 sk HiBond mixed & 390 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

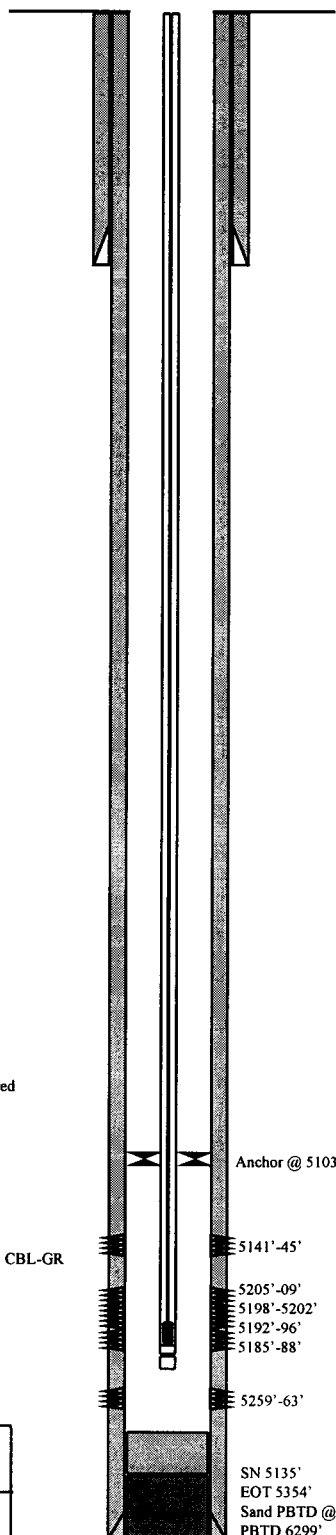
TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.  
 NO. OF JOINTS: 193 jts.  
 TUBING ANCHOR: 5103'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5354'  
 SN LANDED AT: 5135'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 8-1" scraped, 97-3/4" plain rods, 100-3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 1-1/2" THD pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

## Wellbore Diagram



Initial Production: 295 BOPD,  
 315 MCFPD, 6 BWPD

FRAC JOB

9/30/96 5141'-5263'

Frac D-1 and D-2 sands as follows:  
 112,600# of 20/40 sand in 579 bbls of  
 Boragel. Breakdown @ 1228 psi. Treated  
 @ avg rate of 30.5 bpm w/avg press of  
 1500 psi. ISIP-1830 psi, 5-min 1752 psi.  
 Flowback on 12/64" ck for 3 hours and  
 died.

PERFORATION RECORD

9/28/96	5141'-5145'	4 JSPF	16 holes
9/28/96	5185'-5188'	4 JSPF	12 holes
9/28/96	5192'-5196'	4 JSPF	16 holes
9/28/96	5198'-5202'	4 JSPF	16 holes
9/28/96	5205'-5209'	4 JSPF	16 holes
9/28/96	5259'-5263'	4 JSPF	16 holes

Anchor @ 5103'

5141'-45'

5205'-09'

5198'-5202'

5192'-96'

5185'-88'

5259'-63'

SN 5135'

EOT 5354'

Sand PBTD @ 5715'

PBTD 6299'

TD @ 6300'



Inland Resources Inc.

## Monument Butte Federal #13-24

660 FWL 660 FSL

SWSW Section 24-T8S-R16E

Duchesne Co, Utah

API #43-013-31630; Lease #U-67170

## Monument Butte Federal #13-24

Spud Date: 9/9/96  
 Put on Injection: --/--/--  
 GL: 5445' KB: 5458'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts. (291.75')  
 DEPTH LANDED: 290.65' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

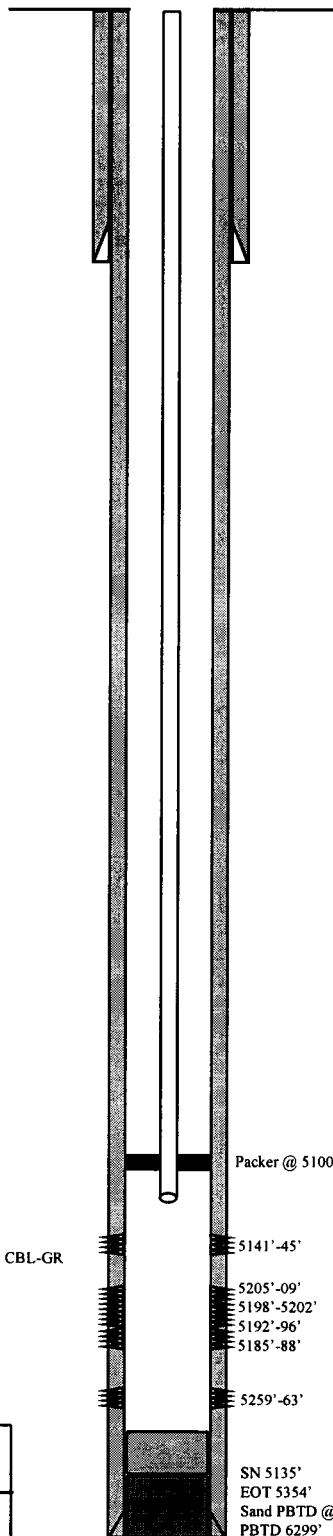
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (6308.80')  
 DEPTH LANDED: 6298.80' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 455 sk HiBond mixed & 390 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.  
 NO. OF JOINTS: ? jts.  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Proposed Injection  
Diagram

Initial Production: 295 BOPD,  
 315 MCFPD, 6 BWPD

FRAC JOB

9/30/96 5141'-5263'

**Frac D-1 and D-2 sands as follows:**  
 112,600# of 20/40 sand in 579 bbls of  
 Boragel. Breakdown @ 1228 psi. Treated  
 @ avg rate of 30.5 bpm w/avg press of  
 1500 psi. ISIP-1830 psi, 5-min 1752 psi.  
 Flowback on 12/64" ck for 3 hours and  
 died.

PERFORATION RECORD

9/28/96	5141'-5145'	4 JSPF	16 holes
9/28/96	5185'-5188'	4 JSPF	12 holes
9/28/96	5192'-5196'	4 JSPF	16 holes
9/28/96	5198'-5202'	4 JSPF	16 holes
9/28/96	5205'-5209'	4 JSPF	16 holes
9/28/96	5259'-5263'	4 JSPF	16 holes



**Inland Resources Inc.**

**Monument Butte Federal #13-24**

660 FWL 660 FSL

SWSW Section 24-T8S-R16E

Duchesne Co, Utah

API #43-013-31630; Lease #U-67170

## Monument Butte Federal #13-24

Spud Date: 9/9/96  
 Plugged: --/--/--  
 GL: 5445' KB: 5458'

Initial Production: 295 BOPD,  
 315 MCFPD, 6 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts (291.75')  
 DEPTH LANDED: 290.65' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

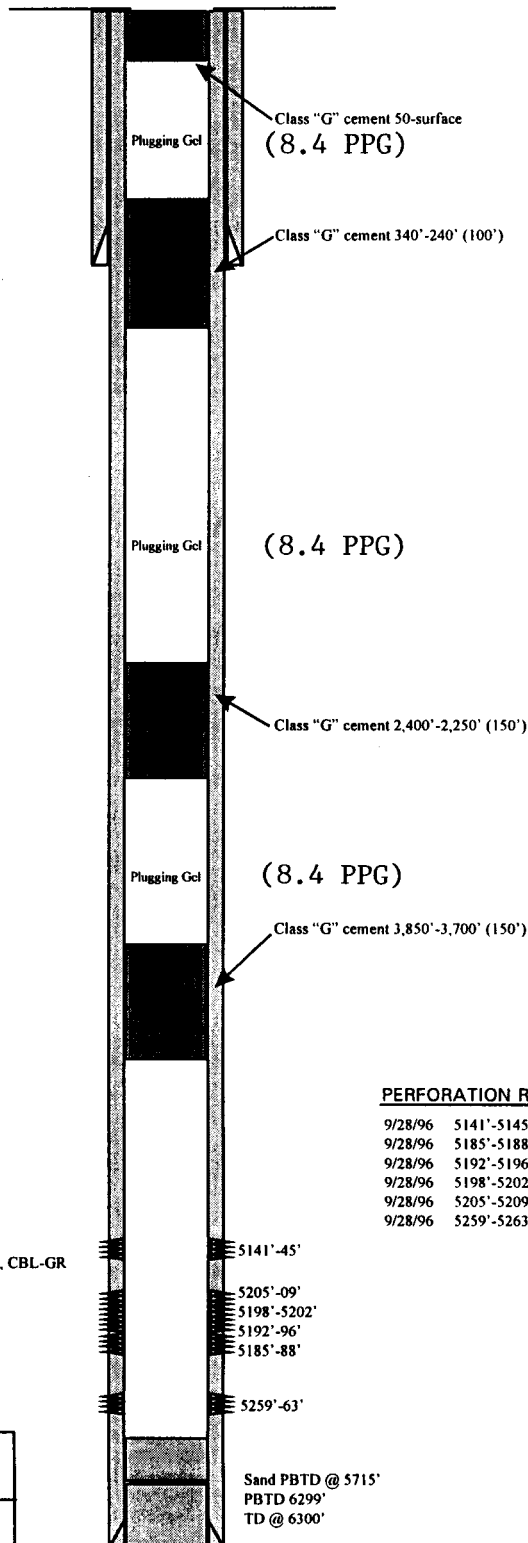
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts (6308.80')  
 DEPTH LANDED: 6298.80' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 455 sk HiBond mixed & 390 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Proposed Plugging  
DiagramPERFORATION RECORD

9/28/96	5141'-5145'	4 JSPF	16 holes
9/28/96	5185'-5188'	4 JSPF	12 holes
9/28/96	5192'-5196'	4 JSPF	16 holes
9/28/96	5198'-5202'	4 JSPF	16 holes
9/28/96	5205'-5209'	4 JSPF	16 holes
9/28/96	5259'-5263'	4 JSPF	16 holes



Inland Resources Inc.

Monument Butte Federal #13-24

660 FWL 660 FSL

SWSW Section 24-T8S-R16E

Duchesne Co, Utah

API #43-013-31630; Lease #U-67170



## Monument Butte Federal #14-24

Spud Date: 5/29/96  
Put on Production: 8/3/96  
GL: 5430' KB: 5443'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (307.10')  
DEPTH LANDED: 302.10'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 149 jts. (6294.61')  
DEPTH LANDED: 6288.61'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 330 sk Hyfill mixed & 390 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

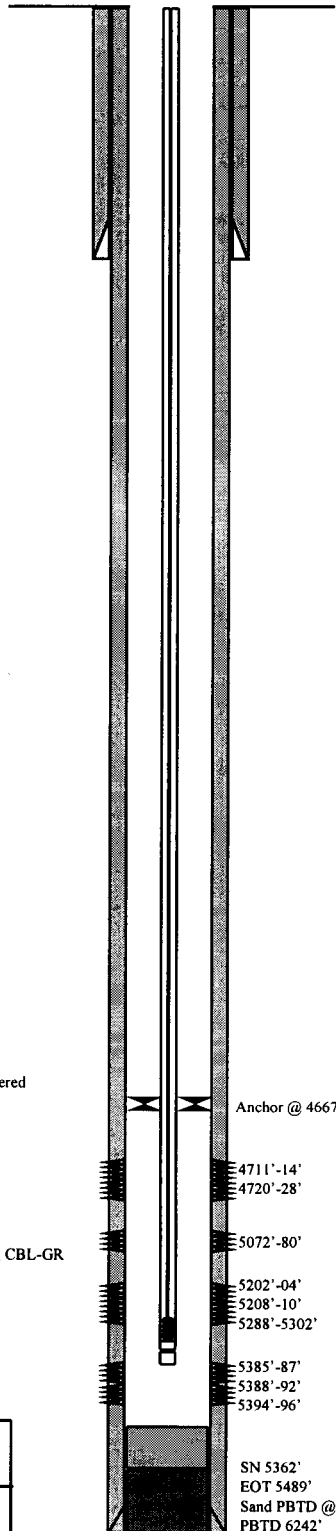
TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.  
NO. OF JOINTS: 198 jts.  
TUBING ANCHOR: 4667'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5489'  
SN LANDED AT: 5362'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-3/4" scraped, 110-3/4" slick rods, 96-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 15' RHAC pump  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



Initial Production: 76 BOPD,  
96 MCFPD, 11 BWPD

FRAC JOB

7/25/96 5202'-5392' **Frac C, D-3 and D-1 sands as follows:**  
138,400# of 20/40 sd in 688 bbls of Boragel. Breakdown @ 2900 psi. Treated @ avg rate of 36 bpm w/avg press of 1970 psi. ISIP-2039 psi, 5-min 1980 psi. Flowback on 16/64" ck for 5 hrs & died.

7/29/96 5072'-5080' **Frac XY/DC sand as follows:**  
72,900# of 20/40 sd in 401 bbls of Boragel. Breakdown @ 2174 psi. Treated @ avg rate of 20 bpm w/avg press of 2450 psi. ISIP- 2536 psi, 5-min 2409 psi. Flowback on 16/64" ck for 4 hrs until dead.

7/31/96 4711'-4728' **Frac GB-6 sand as follows:**  
85,300# of 20/40 sd in 401 bbls of Boragel. Breakdown @ 1510 psi. Treated @ avg rate of 20.5 bpm w/avg press of 2500 psi. ISIP-4371 psi, 5-min 3010 spi. Flowback on 16/64" ck. for 3-1/2 hrs until dead.

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
7/24/96	5384'-5387'	2 JSPF	4 holes
7/24/96	5388'-5392'	2 JSPF	8 holes
7/24/96	5394'-5396'	2 JSPF	4 holes
7/24/96	5288'-5302'	4 JSPF	56 holes
7/24/96	5202'-5204'	2 JSPF	4 holes
7/24/96	5208'-5210'	2 JSPF	4 holes
7/27/96	5072'-5080'	4 JSPF	32 holes
7/30/96	4711'-4714'	4 JSPF	16 holes
7/30/96	4720'-4728'	4 JSPF	36 holes



Inland Resources Inc.

## Monument Butte Federal #14-24

660 FSL 1980 FWL  
SESW Section 24-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31630; Lease #U-67170

## Monument Butte Federal #15-24

Spud Date: 5/10/96  
Put on Production: 6/15/96  
GL: 5416' KB: 5429'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293.68')  
DEPTH LANDED: 290'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148 jts (6302.63')  
DEPTH LANDED: 6300'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 330 sk Hyfill mixed & 355 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

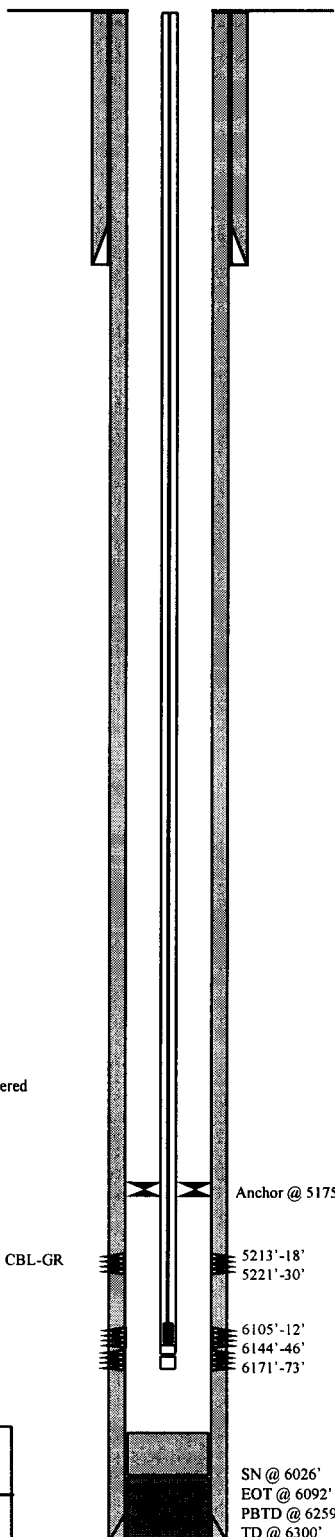
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 200 jts  
TUBING ANCHOR: 5175'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 6092')  
SN LANDED AT: 6026'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-3/4" scraped, 138-3/4" plain rods, 93-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 1-1/2"  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 7 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



Initial Production: 9 BOPD,  
22 MCFPD, 20 BWPD

**FRAC JOB**

6/6/96 6105'-6173' **Frac CP-2 and CP-1 sands as follows:**  
77,700# 20/40 sd in 437 bbls of Boragel.  
Breakdown @ 1958 psi & treated @ avg  
1480 psi. ISIP-1802 psi, 5-min 1638 psi.  
Flowback on 16/64" ck @ 1.4 bpm 1.5  
hrs until dead.

6/8/96 5213'-5230' **Frac D-1 sand as follows:**  
57,500# 20/40 sd in 433 bbls Boragel.  
Breakdown @ 2113 psi & treated @ avg  
rate 16.5 bpm w/ avg press 1250 psi.  
ISIP-1846 psi, 5-min 1573 psi. Flowback  
on 16/64" ck. 1-1/2 hrs until dead.

10/31/96 **Hot Oil Treatment**  
Pump 60 bbls hot oil down casing.

**PERFORATION RECORD**

6/5/96	6171'-6173'	4 JSPF	4 holes
6/5/96	6144'-6146'	4 JSPF	8 holes
6/5/96	6105'-6112'	4 JSPF	28 holes
6/7/96	5221'-2130'	4 JSPF	20 holes
6/7/96	5213'-5218'	4 JSPF	36 holes



Inland Resources Inc.

**Monument Butte Federal #15-24**

660 FSL 1980 FEL

SWSE Section 24-T8S-R16E

Duchesne Co, Utah

API #43-013-31628; Lease #U-67170

# UNICHEM

A Division of BJ Services

EXHIBIT "F"

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5066  
Fax (801) 722-5727

## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 02-03-97

Source MB 13-24 Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.005</u>		
4. Dissolved Solids		<u>21,163</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>100</u>	
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	<u>1,800</u>	÷ 61 <u>30</u> HCO <sub>3</sub>
7. Chlorides (Cl)	Cl	<u>11,300</u>	÷ 35.5 <u>319</u> Cl
8. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	<u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
9. Calcium (Ca)	Ca	<u>34</u>	÷ 20 <u>2</u> Ca
10. Magnesium (Mg)	Mg	<u>0</u>	÷ 12.2 <u>0</u> Mg
11. Total Hardness (CaCO <sub>3</sub> )		<u>80</u>	
12. Total Iron (Fe)		<u>0.5</u>	
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

	Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
2	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
0	CaSO <sub>4</sub>	68.07				
	CaCl <sub>2</sub>	55.50				
	Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
	MgSO <sub>4</sub>	60.19				
	MgCl <sub>2</sub>	47.62				
	NaHCO <sub>3</sub>	84.00	<u>28</u>			<u>2,352</u>
	Na <sub>2</sub> SO <sub>4</sub>	71.03				
	NaCl	58.46	<u>319</u>			<u>18,649</u>

#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

02-05-97

## WATER DESCRIPTION: MONUMENT BUTTE INJECTION FLUID

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO <sub>3</sub>	0	0
M-ALK AS PPM CaCO <sub>3</sub>	450	450
SULFATE AS PPM SO <sub>4</sub>	50	50
CHLORIDE AS PPM Cl	350	350
HARDNESS AS PPM CaCO <sub>3</sub>	140	140
CALCIUM AS PPM CaCO <sub>3</sub>	40	40
MAGNESIUM AS PPM CaCO <sub>3</sub>	10	10
SODIUM AS PPM Na	345	345
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	1033
TEMP (DEG-F)	100	
SYSTEM pH	7.2	
pH		7.2

## RESULTS:

IONIC STRENGTH-MOLAL	.016
SPECIFIC GRAVITY (EST. VALUE)	1
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	1033

## SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	-.72	0	0	0	0
100	-.49	0	0	0	0
120	-.27	0	0	0	0
140	-.06	0	0	0	0
160	.13	3	0	0	0
180	.37	7	0	0	0
200	.71	11	0	0	0

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

02-05-97

WATER DESCRIPTION:	MONUMENT BUTTE IN	MB 13-24
P-ALK AS PPM CaCO <sub>3</sub>	0	100
M-ALK AS PPM CaCO <sub>3</sub>	450	1800
SULFATE AS PPM SO <sub>4</sub>	50	0
CHLORIDE AS PPM Cl	350	11300
HARDNESS AS PPM CaCO <sub>3</sub>	140	80
CALCIUM AS PPM CaCO <sub>3</sub>	40	34
MAGNESIUM AS PPM CaCO <sub>3</sub>	10	0
SODIUM AS PPM Na	345	7981
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	21163
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.8

WATER COMPATIBILITY CALCULATIONS  
 MONUMENT BUTTE IN AND MB 13-24  
 CONDITIONS: TEMP.=100AND pH=8  
 WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.31	6	0	0	0
90	.32	6	0	0	0
80	.30	6	0	0	0
70	.26	5	0	0	0
60	.21	4	0	0	0
50	.16	3	0	0	0
40	.12	2	0	0	0
30	.11	2	0	0	0
20	.10	2	0	0	0
10	.08	1	0	0	0
0	.06	1	0	0	0



## EXECUTIVE SUMMARY

On September 30, 1996 zone I of the **Monument Buttes 13-24** well was stimulated with the following:

Formation-	D Sand
Perfs-	5,141-5,263 Ft
Avg. Rate-	30.5 BPM
Avg. Surf. Press.-	1,500 psi
Total Sand-	112,600 LB (20/40 Ottawa)
Total Fluid-	631.7 BBL
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The zone broke at 1,228 psi then reached a max of 2,100 psi with rate at which time the pressure decreased to 1,500 psi and remained there until flush. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained showing multiple fractures were initiated and predicted the following:

Propped Height.-	234 ft.
Propped Length-	110 ft.
Frac Grad.-	0.55 psi/ft
Conductivity-	2500 md-ft

Overview of job showed good frac with average permeability and porosity. Net pressure increased 850 psi during the job which would indicate excellent proppant placement in fracture. With the average permeability and good proppant placement, the zone should be average to above average. If you have any questions about the job or anything else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner  
Wellsite II Engineer

<b>PALLIBURTON</b>	Well No. 13-24	Lease MONUMENT BUTTE	Job Id 002850100577
ENERGY SERVICES	Customer INLAND PRODUCTION COMPANY	Date 09-30-96	
<b>JOB SUMMARY</b>	Job Type FRAC JOBS	Operator GUINN/MORRIS	

**Job Information**

CONTRACTOR: BASIN WELL SERVICE  
 JOB PURPOSE: 08 FRAC JOBS  
 JOB DESCRIPTION: BORAGEL 35/30 # 670  
 PERFORMED THRU:  
 CALLED OUT: 09-30-96 05:00  
 ON LOCATION: 09-30-96 07:30  
 STARTED: 09-30-96 10:35  
 COMPLETED: 09-30-96 10:58

**Well Information**

OWNER NAME:	INLAND PRODUCTION COMPANY		
WELL TYPE:	001 oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	145	BOT HOLE PSI:	2700
TOTAL DEPTH:	6060	PBTD:	6000

**Pressures in PSI**

AVERAGE:	1500	MAXIMUM:	2120
BREAKDOWN:	1228		
FLUSH:	2120	FRAC GRADIENT:	.78
ISIP:	1830	5-MIN:	1752
10-MIN:	1566	15-MIN:	1516

**Volumes**

PREPAD:		BBL	PREPAD TYPE:		
LOAD & BKDN:	0.00	GAL	TREATMENT:	15240	GAL
FLUSH:	5055	GAL			
PAD:	4000	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
F/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	24323	GAL			

**Hydraulic Horsepower**

ORDERED:	3000	AVAILABLE:	3000	USED:	1121
----------	------	------------	------	-------	------

**Average Rates in BPM**

FLUSHING:	30.5	FLUSH:	31	OVERALL:	30.5
-----------	------	--------	----	----------	------

## APPLICATION FOR INJECTION WELL - UIC FORM 1

RECEIVED  
MAY 07 1997  
DIV. OF OIL, GAS & MINING

( 3/89 )



- 2.8. *The proposed average and maximum injection pressures;*

**Answer:** Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Monument Butte Federal NE #13-24 averages approximately .78 psig/ft.

- 2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

**Answer:** The frac gradient for the Monument Butte Federal #13-24, for existing zones (5141'-5263'), averages approximately .78 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

Proposed Maximum Injection Pressure:

$$P_m = [.78 - (.433)(1.005)] 5141' \\ P_m = 1799$$

- 2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

**Answer:** In the Monument Butte Federal #13-24, the injection zone is in the D sands (5141'-5263'), contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The top of the Douglas Creek Member, estimated at approximately 5130'. The estimated average porosity is 14%; the estimated fracture pressure is 1842# psi.

The confining stratum directly above and below the injection zone is the Y Marker member of the Green River Formation, and the Bicarbonate Marker. (Y marker @ 5031', and the Bicarbonate Marker @ 5428'.) The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shale. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it. Maps and cross sections to the Monument Butte area are on file with the Division of Oil, Gas & Mining.

- 2.11. *A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

**Answer:** Exhibits "E-1" through "E-5".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

- 2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well;*

**Answer:** Exhibit "D".

- 2.13. *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE  
APPLICATION OF INLAND  
PRODUCTION COMPANY FOR  
ADMINISTRATIVE APPROVAL OF  
THE MONUMENT BUTTE FEDERAL  
NE 13-24 WELL LOCATED IN  
SECTION 24, TOWNSHIP 8 SOUTH,  
RANGE 16 EAST, S.L.M., DUCHESNE  
COUNTY, UTAH, AS A CLASS II  
INJECTION WELL

: NOTICE OF AGENCY  
ACTION

: CAUSE NO. UIC-191

:

:

:

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

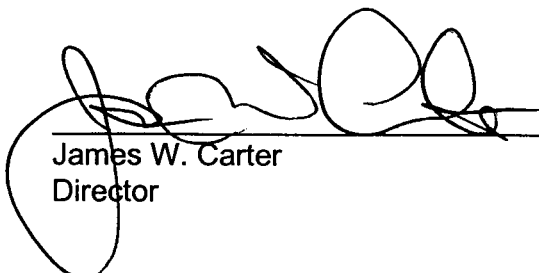
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Butte Federal NE 13-24 well, located in section 24, Township 8 South, Range 16 East, S.L.M., Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 5141 feet to 5263 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be limited to 1799 psig.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 7th day of May 1997.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



James W. Carter  
Director



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

May 7, 1997

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-191

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt  
Secretary

Enclosure



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

May 7, 1997

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-191

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt  
Secretary

Enclosure

**Inland Production Company  
Monument Butte Federal NE 13-24 Well  
Cause No. UIC-191**

Publication Notices were sent to the following:

Inland Production Company  
P. O. Box 1446  
Roosevelt, Utah 84066

Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84078

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Vernal District Office  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

U.S. Environmental Protection Agency  
Region VIII  
Attn. Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466



---

Lorraine Platt  
Secretary  
May 7, 1997

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D.# 87-0217663

# Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S  
COPY

## PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	05/13/97

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL598200271
SCHEDULE	
START 05/13/97 END 05/13/97	
CUST. REF. NO.	
UIC-191	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
71 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	116.44
TOTAL COST	
116.44	

NOTICE OF AGENCY ACTION  
CAUSE NO. 191  
BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLI-  
CATION OF INLAND PRODUCTION  
COMPANY FOR ADMINISTRATIVE  
APPROVAL OF THE MONUMENT  
BUTTE FEDERAL NE 13-24 WELL LO-  
CATED IN SECTION 24, TOWNSHIP  
8 SOUTH, RANGE 14 EAST, DUCHE-  
SNE COUNTY, UTAH, AS A CLASS II INJECTION  
WELL.

THE STATE OF UTAH TO ALL PER-  
SONS INTERESTED IN THE ABOVE  
ENTITLED MATTER.

Notice is hereby given that  
the Division of Oil, Gas and Min-  
ing (the "Division") is commencing  
an informal adjudicative  
proceeding to consider the ap-  
plication of Inland Production  
Company for administrative  
approval of the Monument  
Butte Federal NE 13-24 well, lo-  
cated in Section 24, Township 8  
South, Range 14 East, SLM, Du-  
chesne County, Utah, for con-  
version to a Class II injection  
well. The proceeding will be  
conducted in accordance with  
Utah Admin. R. 649-10, Admini-  
strative Procedures.

The interval from 3141 feet to  
5243 feet (Green River Forma-  
tion) will be selectively perfor-  
ated for water injection. The max-  
imum injection pressure will be  
limited to 1799 psig.

Any person desiring to object  
to the application or otherwise  
intervene in the proceeding,  
must file a written protest or no-  
tice of intervention with the Divi-  
sion within fifteen days follow-  
ing publication of this notice. If  
such a protest or notice of inter-  
vention is received, a hearing  
will be scheduled before the  
Board of Oil, Gas and Mining.  
Protestants and/or intervenors  
should be prepared to demon-  
strate at the hearing how this  
matter affects their interests.

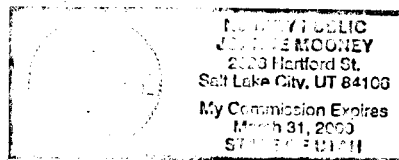
NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED  
STATEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR  
DIVISION OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY  
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS  
PUBLISHED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

DATED this 7th day of May, 1997, HED ON START 05/13/97 END 05/13/97

STATE OF UTAH  
DIV. OF OIL, GAS AND MINING  
By: James W. Carter  
Director  
59820020

SURE

DATE 05/13/97



OFFICE COPY

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"**  
**PLEASE PAY FROM BILLING STATEMENT.**

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** MBFNE 13-24

**Location:** 24/8S/16E

**API:** 43-013-31653

A complete Statement of Basis was prepared for the Monument Butte Northeast Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

**Ownership Issues:** The proposed well is located on BLM land. All lands in the one-half mile radius of the well are owned by the BLM. Leases in the one-half mile radius are held by various individuals and companies. A list of the lease holders, surface owners and operators was submitted with the application. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent to convert the well to an injector.

**Well Integrity:** The proposed well has surface casing set at 290 feet and is cemented to surface. A 5 1/2 inch production casing is set at 6298 feet and has a reported cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at approximately 5100 feet. A mechanical integrity test will be run on the well prior to injection. There are 3 producing wells, 2 injection wells and one plugged and abandoned well in the area of review. All of the producing and injection wells have adequate casing and cement. The plugged well has adequate plugs to prevent migration of fluid. No corrective action will be required.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 300 feet. High quality ground water may be present in sands down through a depth of 300 feet. These sands are generally discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 5141 feet and 5263 feet in the Green River Formation, specifically the D sand of the Douglas Creek. The confining intervals above and below the injection zone consists of tight, moderately calcareous sandy lacustrine shale. Information submitted by Inland indicates that the fracture gradient for the injection zone in the 13-24 well is .78 psig/ft. The resulting fracture pressure at the proposed uppermost perforation at 5141 feet is 1799 psig. The requested maximum pressure was 1799 psi. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground

water present should be adequately protected.

MBFNE 13-24  
page 2

**Oil/Gas& Other Mineral Resources Protection:** This well is located in the previously approved MBNE Unit. Correlative rights issues and other interests have been addressed at that time. In review of the information submitted to the Board it appears that the expansion will increase ultimate recovery and will protect the interests of all owners.

**Bonding:** The well is located on Federal land and proper bonds are held by the BLM.

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard (UIC- ). It is recommended that approval be granted to convert the well to injection if no objections are received. Approval should be granted in accordance with information submitted by Inland in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis Date: 7/1/97



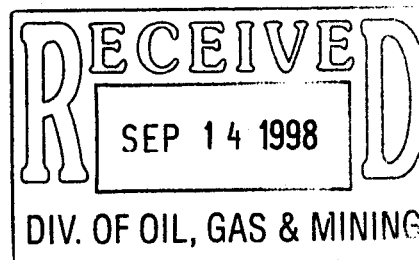
STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-67170</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102</b>		7. UNIT AGREEMENT NAME <b>NA</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SW 0660 FSL 0660 FWL</b>		8. FARM OR LEASE NAME <b>MONUMENT BUTTE FEDERAL NE 13-24</b>	
14. API NUMBER <b>43-013-31653</b>		9. WELL NO. <b>13-24</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5445 GR</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SW Section 24, T08S R16E</b>	
		12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Change in Lease Number</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Due to unitization, the lease number for the above referenced well has been changed from 3-67170 to U-67170.



18. I hereby certify that the foregoing is true and correct			
SIGNED <u>Debbie E. Knight</u>	TITLE <u>Manager, Regulatory Compliance</u>	DATE <u>9/11/98</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-67170**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**MONUMENT BUTTE FEDERAL NE 13-24**

9. API Well No.

**43-013-31653**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0660 FSL 0660 FWL SW/SW Section 24, T08S R16E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

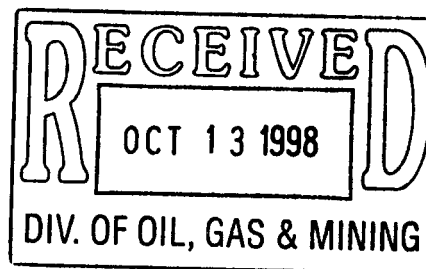
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Site Security**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Lebbie E. Knight*

Title

**Manager, Regulatory Compliance**

Date

**10/8/98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

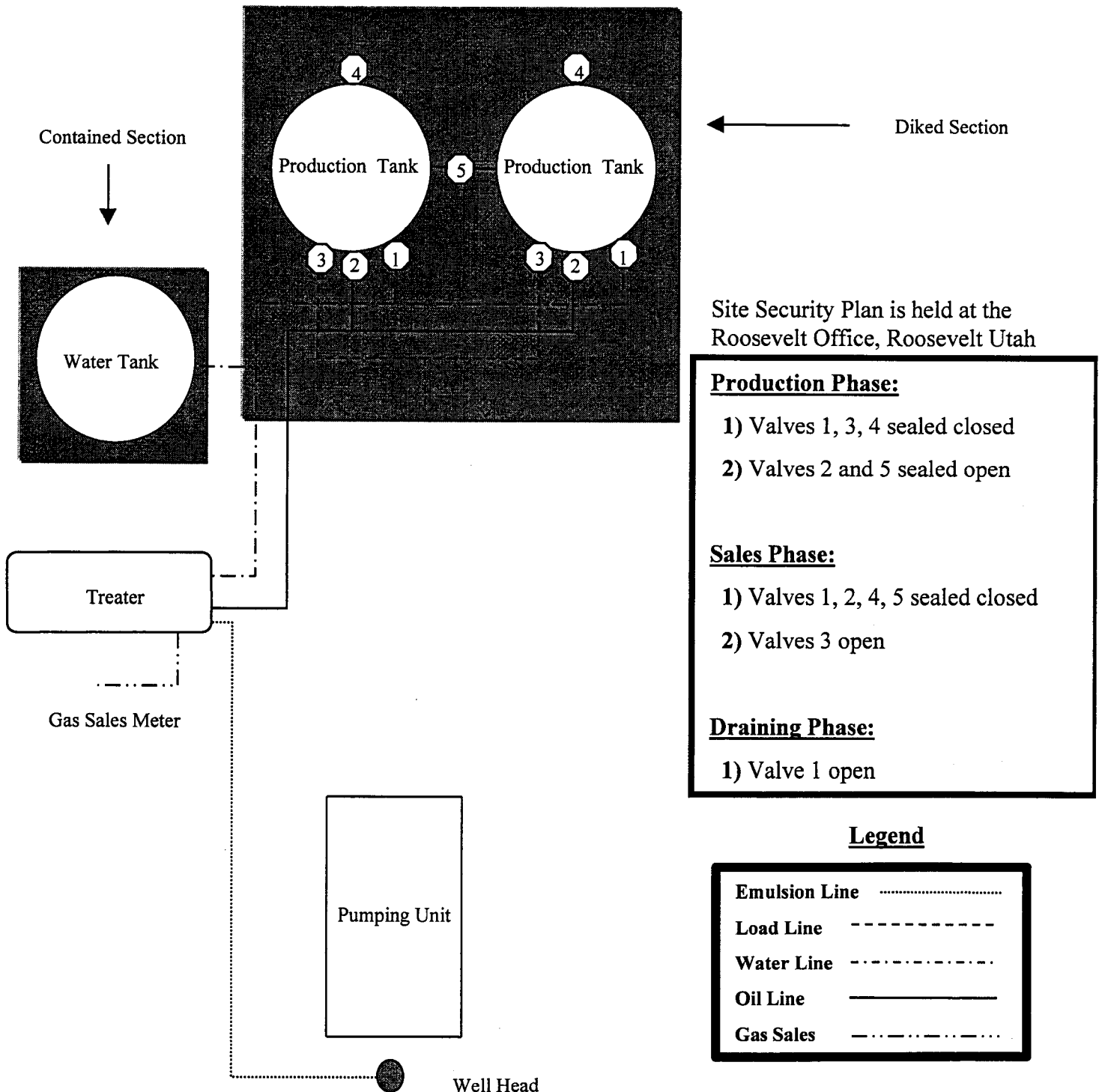
# Inland Production Company Site Facility Diagram

Monument Butte 13-24

Sw/SW Sec. 24, T8S, 16E

Duchesne County

Sept. 17, 1998





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145901  
Salt Lake City, Utah 84114-5901  
801-538-6340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

Post-It® Fax Note 7871

Date	10/16	# of pages	2
To	Dan Jarvis		
Co./Dept.	Cheryl Cameron		
Phone #			
Fax #			

July 2, 1997

Inland Production Company  
P. O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal Northeast 13-24 well, Section 24, Township 8 South, Range 16, East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

*Lowell P. Braxton*  
Lowell P. Braxton  
Deputy Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Cheryl Cameron, Inland, Vernal



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 166601  
Salt Lake City, Utah 84114-5601  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

JUL 17 1997

PROCESSED

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-191

**Operator:** Inland Production Company  
**Well:** Monument Butte Federal Northeast 13-24  
**Location:** Section 24, Township 8 South, Range 16 East,  
County: Duchesne  
**API No.:** 43-013-31653  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 2, 1997
2. Maximum Allowable Injection Pressure: 1799 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 5141 feet to 5263 feet (Green River Formation)

Approved by:

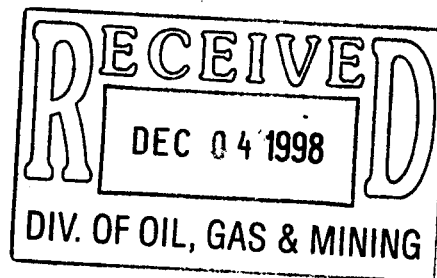
Lowell D. Braxton  
Lowell D. Braxton

7/2/97

COPY

1-1499 POW/3270  
not in base

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



INJECTION WELL - PRESSURE TEST

Test Date: <u>1/14/98</u>	Well Owner/Operator: <u>Inland</u>
Disposal Well: <u>X</u>	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31653</u>	Well Name/Number: <u>MBF 13-24-8-16</u>
Section: <u>24</u>	Township: <u>8S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 375 psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1450</u>	<u>375</u>
5	<u>1450</u>	<u>375</u>
10	<u>1450</u>	<u>375</u>
15	<u>1450</u>	<u>375</u>
20	<u>1450</u>	<u>375</u>
25	<u>1450</u>	<u>375</u>
30	<u>1450</u>	<u>375</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 4450 375 psi

Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

well has not been used for injection  
at this time.

Roy Liddell  
Operator Representative

David M. [Signature]  
DOGM Witness

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-67170

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT BUTTE FEDERAL NE 13-24

9. API Well No.

43-013-31653

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil  
Well

☐

Gas  
Well

☒

Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0660 FSL 0660 FWL

SW/SW Section 24, T08S R16E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Injection

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☒

Conversion to Injection

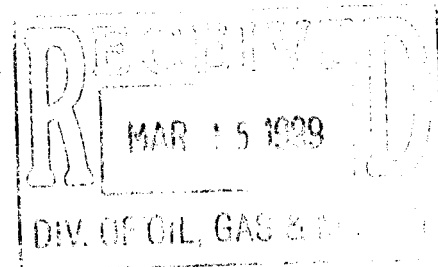
☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above referenced well was put on injection 11/4/98.



RECEIVED

JAN 21 1999

WTC  
3-23-99  
Psk

14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

1/19/99

(This space for Federal or State office use)

Approved by

NOTED

Title

Date

FEB 08 1999

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious

or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10 / 20 / 03 Time 2:00 am ☒ pm

Test Conducted by: Shon McKinney

Others Present: \_\_\_\_\_

Well: Monument Butte  
13-24-8-16

Field: Monument Butte NE

Well Location:

SW/SW Section 24, T08S R16E

API No:

43-013-31653

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1,310</u>	psig
5	<u>1,310</u>	psig
10	<u>1,310</u>	psig
15	<u>1,310</u>	psig
20	<u>1,310</u>	psig
25	<u>1,310</u>	psig
30 min	<u>1,310</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,525 psig

Result:

☒ Pass

☐ Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Shon McKinney



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-67170</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>MONUMENT BUTTE NE</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MON BUTTE FED NE 13-24</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		9. WELL NO. <b>MON BUTTE FED NE 13-24</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SW Section 24, T8S R16E 660 FSL 660 FWL</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SW Section 24, T8S R16E</b>	
14. API NUMBER <b>43-013-31653</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5445 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

A 5 year MIT was conducted on the subject well. On 10/17/03 Mr. Dennis Ingram w/ State DOGM was notified of the intent to conduct a MIT on the casing. On 10/20/03 the casing was pressured to 1310 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

RECEIVED

OCT 22 2003

DIV. OF OIL, GAS & MINING

18 I hereby certify that the foregoing is true and correct

SIGNED Krista Russell TITLE Production Clerk DATE 10/21/2003  
Krista Russell

cc: BLM  
(This space for Federal or State office use)

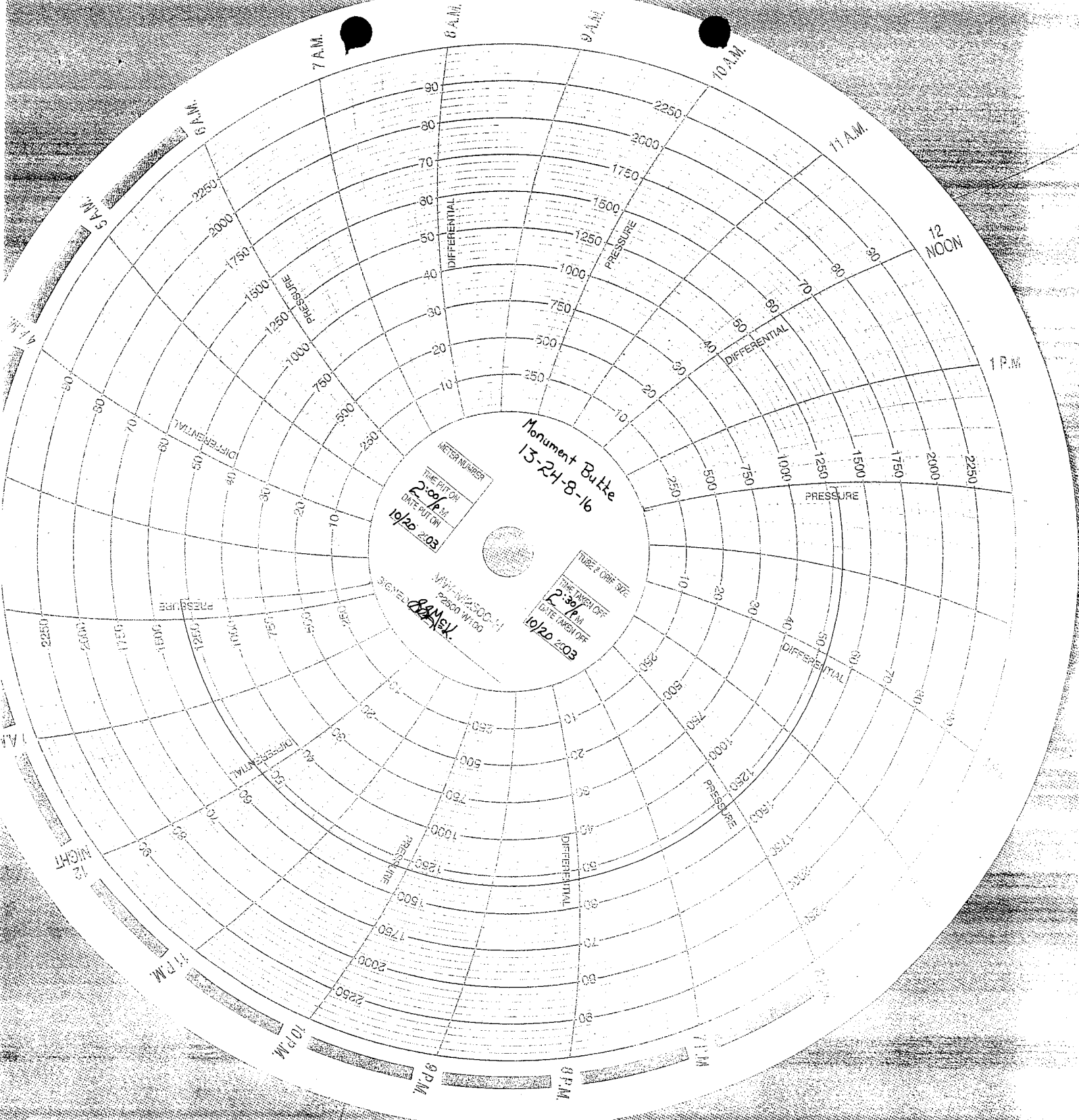
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

COPY SENT TO OPERATOR  
Date: 10-23-03  
Initials: CHD

\* See Instructions On Reverse Side

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-22-03  
By: [Signature]



Monument Butte  
13-24-8-16

METER NUMBER  
THE PIT OR  
DATE TAKEN OFF  
10/20 2003

TUBE & GAGE SIZE  
THE TAKEN OFF  
DATE TAKEN OFF  
10/20 2003

WATER 2500 PSI  
2500 PSI  
36 INCH



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

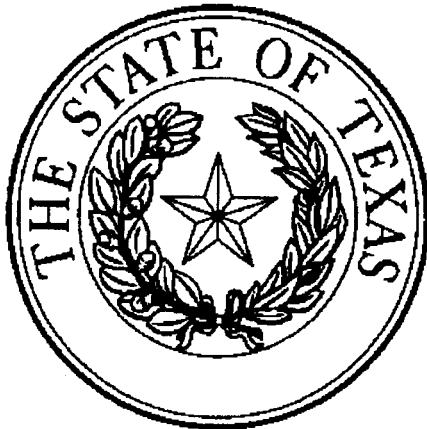
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk Services Manager*Approval Date: 9-20-04

Comments:

Note: Indian Country wells will require EPA approval.

(9/2000)

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SEP 20 2004

DIV. OF OIL, GAS &amp; MINING





6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005  
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

NEWFIELD PRODUCTION COMPANY  
RT. 3 BOX 3630  
MYTON, UT 84052

ENTITY ACTION FORM  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

OPERATOR ACCT NO: N2695

ACTIN CODE	CRRNT ENTITY	NEW ENTITY	API NUMBER	WELL	QQ	SEC	TWN	RNG	REASON	EFFECTIVE
D	14648	15150	4301332359	FEDERAL 9-24-8-16	NENSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	99998	15150	4301331633	MONUMENT BUTTE FED NE 11-24	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12293	15150	4301331990	MBFNE 11-24-8-16	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	14611	15150	4301332366	FEDERAL 10-24-8-16	NWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12244	15150	4301331923	MBFNE 12-24	NWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11907	15150	4301331629	MONUMENT BUTTE FED NE 16-24	SESE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11930	15150	4301331630	MONUMENT BUTTE FED 14-24	SESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11912	15150	4301331628	MON BUTTE FED NE 15-24	SWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11984	15150	4301331653	MON BUTTE FED NE 13-24	SWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11884	15150	4301331608	MON BUTTE FED 1-25(I)	NENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11881	15150	4301331601	MONUMENT BUTTE FED 8-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11887	15150	4301331604	MONUMENT BUTTE FED 2-25	NWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11873	15150	4301331561	MON BUTTE FED 7-25	SWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11882	15150	4301331596	MONUMENT BUTTE FED 6-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11922	15150	4301331605	MON BUTTE FED 3-25	NENW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11897	15150	4301331600	MON BUTTE FED 9-25	NESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11874	15150	4301331562	MONUMENT BUTTE FED 10-25	NWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11899	15150	4301331597	MONUMENT BUTTE FED 16-25	SESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11847	15150	4301331559	MON BUTTE FED 15-25	SWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11840	15150	4301331554	MONUMENT BUTTE FED 12-25	NWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11841	15150	4301331553	MON BUTTE FED 11-25	NESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11805	15150	4301331531	MONUMENT BUTTE FED 14-25	SESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11786	15150	4301331513	MON BUTTE FED 13-25	SWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11900	15150	4301331502	MON BUTTE FED 15-26	SWSE	26	8S	16E	Monument Butte North East EOR	1/1/2006
D	11814	15150	4301331517	MONUMENT BUTTE FED 16-26	SESE	26	8S	16E	Monument Butte North East EOR	1/1/2006

new entity assigned 1/31/06  
ER, DOGM

RECEIVED  
JAN 25 2006

KIM KETTLE  
PRODUCTION CLERK 1/25/2006

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WT</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-67170
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE NE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FSL 660 FWL		8. WELL NAME and NUMBER: MON BUTTE FED NE 13-24
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301331653
6. COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
7. OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 24, T8S, R16E		8. STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>09/23/2008</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 09-16-08 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 09-18-08. On 09-18-08 the csg was pressured up to 1175 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1700 psig during the test. There was an State representative available to witness the test. API# 43-013-31653.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-29-08  
By: [Signature]

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Tech</u>
SIGNATURE <u>[Signature]</u>	DATE <u>09/23/2008</u>

(This space for State use only)

**COPY SENT TO OPERATOR**

Date: 10.1.2008

Initials: KS

**RECEIVED**

**SEP 25 2008**

**DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 9/18/08 Time 11:30 am pm  
Test Conducted by: DAVE CLOWARD  
Others Present: \_\_\_\_\_

Well: 13-24-8-16

Field: MONUMENT BUTTE FEDERAL

Well Location:

MONUMENT BUTTE FEDERAL NE  
SW/SW SEC. 24-T8S-R16E

API No: 43-013-31653

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1175</u>	psig
5	<u>1175</u>	psig
10	<u>1175</u>	psig
15	<u>1175</u>	psig
20	<u>1175</u>	psig
25	<u>1175</u>	psig
30 min	<u>1175</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1700 psig

Result: Pass Fail

Signature of Witness:

[Signature]

Signature of Person Conducting Test:

David Cloward

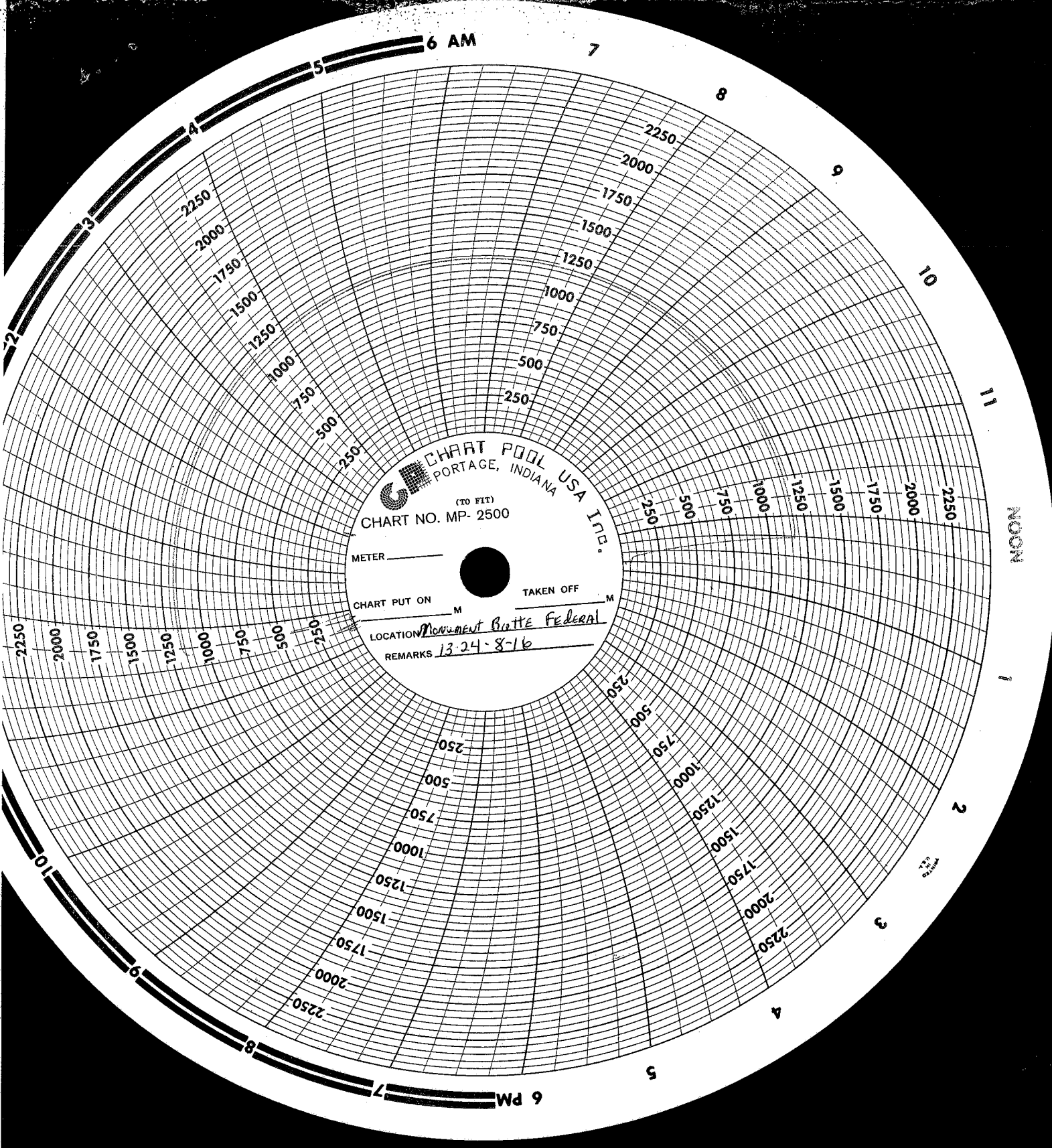


CHART POOL USA INC.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500  
METER \_\_\_\_\_  
CHART PUT ON \_\_\_\_\_ M TAKEN OFF \_\_\_\_\_ M  
LOCATION Monument Butte Federal  
REMARKS 13 24-8-16

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-67170
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630	CITY Myton STATE UT ZIP 84052	7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FSL 660 FWL		8. WELL NAME and NUMBER: MON BUTTE FED NE 13-24
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 24, T8S, R16E		9. API NUMBER: 4301331653
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 03/22/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on March 22, 2010. Results from the test indicate that the fracture gradient is .810 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1779 psi to 1905 psi.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 4-19-10

By: [Signature]

COPY SENT TO OPERATOR

Date: 5-4-2010

Initials: KS

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE [Signature]

DATE 04/06/2010

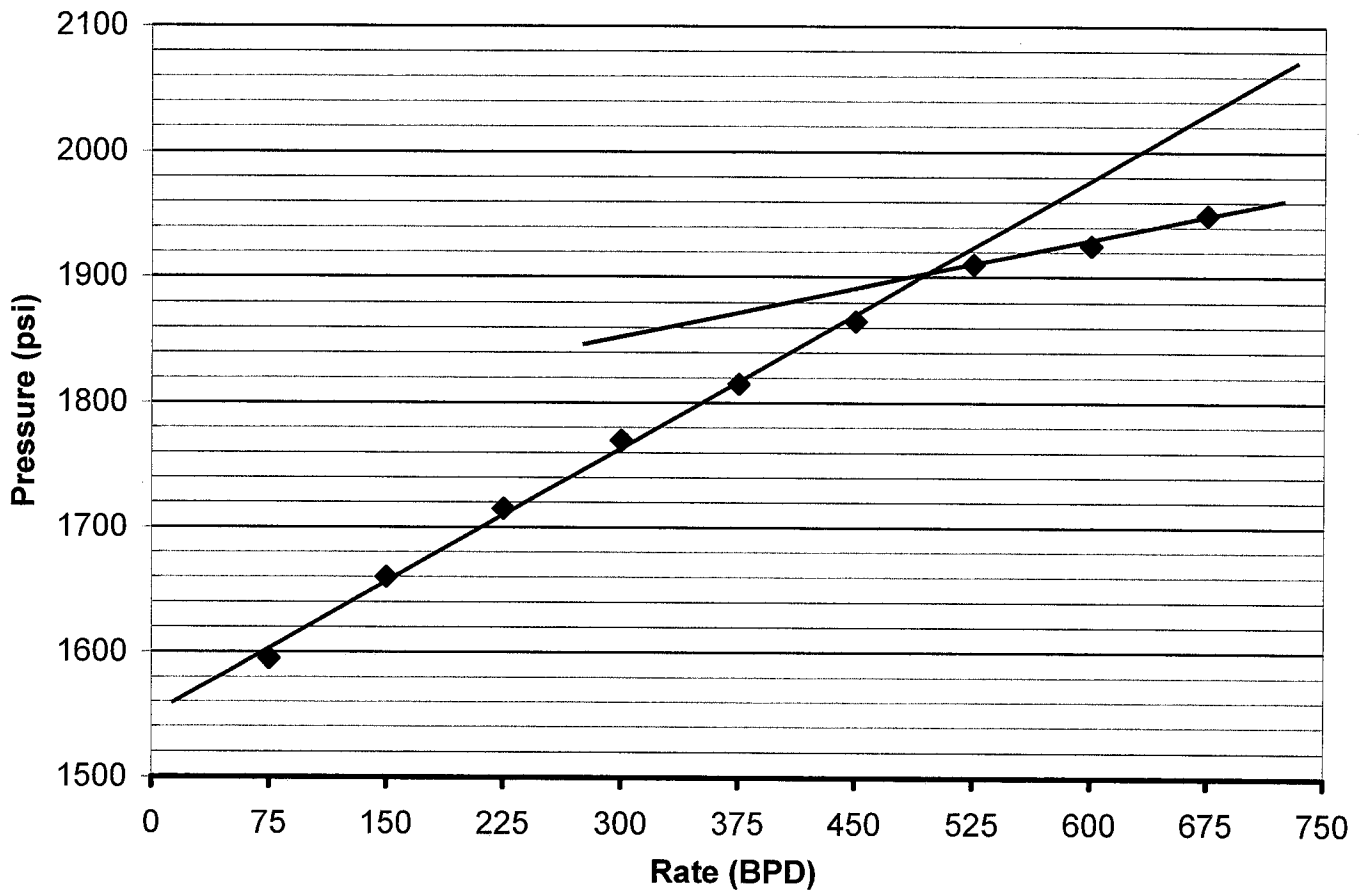
(This space for State use only)

**RECEIVED**

**APR 08 2010**

DIV. OF OIL, GAS & MINING

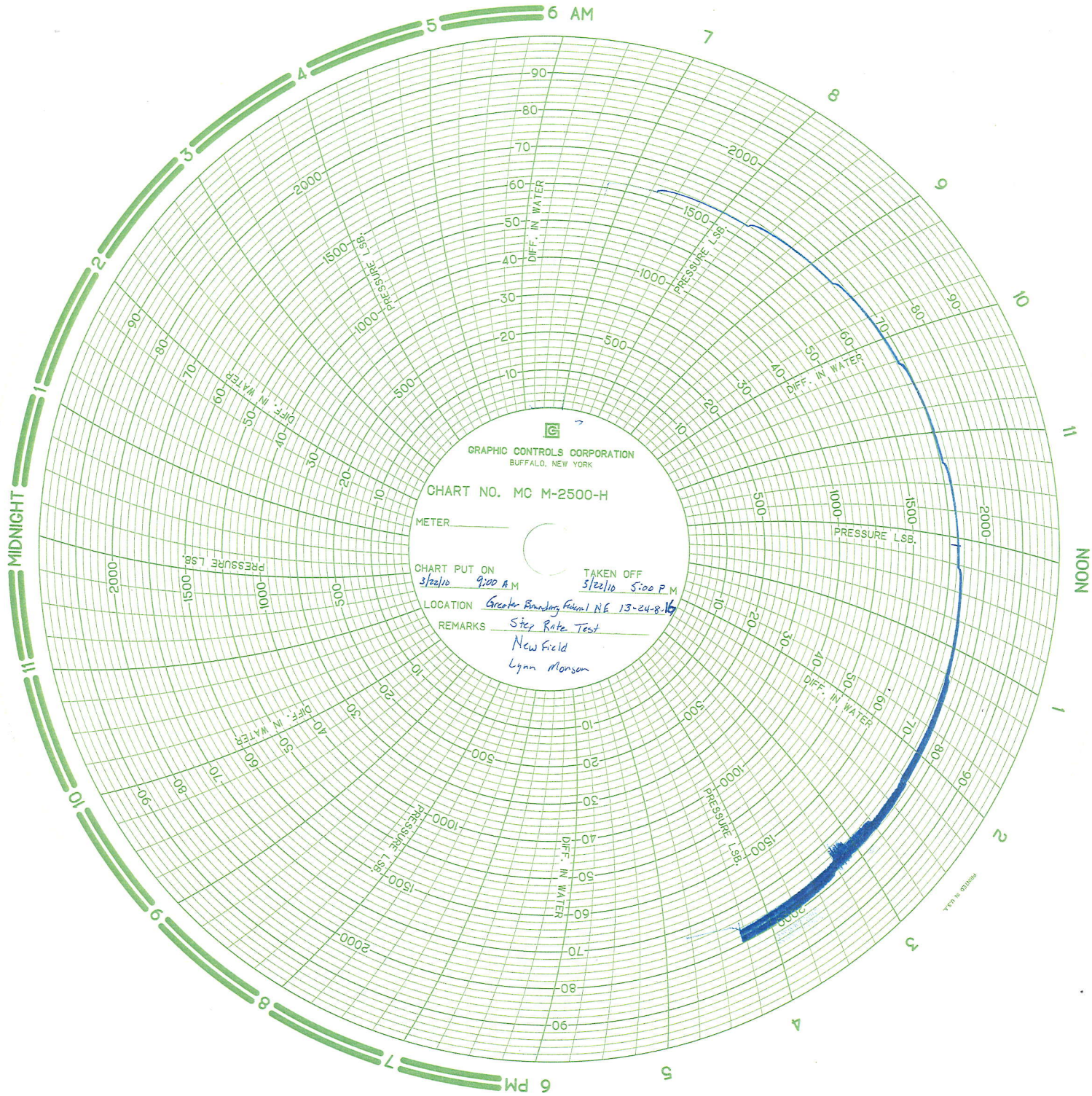
**Monument Butte Federal NE 13-24-8-16  
Greater Monument Butte Unit  
Step Rate Test  
March 22, 2010**



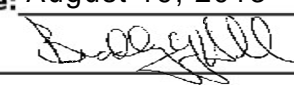
**Start Pressure:** 1550 psi  
**Top Perforation:** 5141 feet  
**Fracture pressure (Pfp):** 1905 psi  
**FG:** 0.810 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	1595
2	150	1660
3	225	1715
4	300	1770
5	375	1815
6	450	1865
7	525	1910
8	600	1925
9	675	1950







<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67170
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON BUTTE FED NE 13-24
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 24 Township: 08.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316530000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> PLUG BACK <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/13/2013	OTHER: 5 YR MIT	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DRILLING REPORT Report Date:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>On 08/12/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/13/2013 the casing was pressured up to 1470 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1784 psig during the test. There was not a State representative available to witness the test.</p> </div> <div style="width: 25%; text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> August 19, 2013</p> <p><b>By:</b> </p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/15/2013

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/13/13 Time 10:00 am pm  
Test Conducted by: INAKI LASA  
Others Present: \_\_\_\_\_

Well: MON BUTTE FEDERAL 13-24-8-16 Field: GREATER MONUMENT BUTTE  
S06/SW SEC 24-T8S-R16E  
Well Location: DUCHESNE COUNTY, UTAH API No: 4301331653

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1470</u>	psig
5	<u>1470</u>	psig
10	<u>1470</u>	psig
15	<u>1470</u>	psig
20	<u>1470</u>	psig
25	<u>1470</u>	psig
30 min	<u>1470</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1784 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Inaki Laso





Spud Date: 9/9/96

Put on Injection: 9/11/96

GL: 5445' KB: 5458'

## Monument Butte Federal #13-24

Initial Production: 295 BOPD,  
315 MCFPD, 6 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 10 jts (291.75')

DEPTH LANDED: 290.65' GL

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium crst, est 8 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 148 jts (6308.80')

DEPTH LANDED: 6298.80' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 455 sk HiBond mixed & 390 sxs thixotropic

CEMENT TOP AT: Surface per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" 6.5# LS tbg.

NO. OF JOINTS: 7 jts.

TUBING ANCHOR:

SEATING NIPPLE:

TOTAL STRING LENGTH:

SN LANDED AT:

### SUCKER RODS

POLISHED ROD:

SUCKER RODS:

TOTAL ROD STRING LENGTH:

PUMP NUMBER:

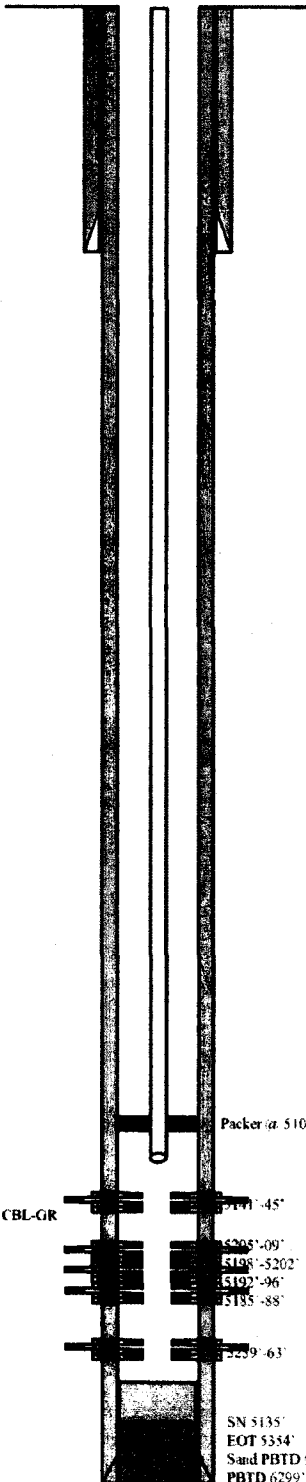
PUMP SIZE:

STROKE LENGTH:

PUMP SPEED, SPM:

LOGS Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

### Proposed Injection Diagram



### FRAC JOB

9/30/96 5141'-5263'

Frac D-1 and D-2 sands as follows:  
112,600# of 20-40 sand in 579 bbls of  
Boragel Breakdown @ 1225 psi. Treated  
@ a avg rate of 30.5 bpm w avg press of  
1500 psi. ISIP: 1830 psi. 5-min 1752 psi.  
Flowback on 12.64" ck for 3 hours and  
died.

### PERFORATION RECORD

9/28/96	5141'-5145'	4 JSFP	16 holes
9/28/96	5185'-5188'	4 JSFP	12 holes
9/28/96	5192'-5196'	4 JSFP	16 holes
9/28/96	5195'-5202'	4 JSFP	16 holes
9/28/96	5205'-5209'	4 JSFP	16 holes
9/28/96	5259'-5263'	4 JSFP	16 holes

**NEWFIELD**

Monument Butte Federal #13-24

660 FWL 660 FSL

SWSW Section 24-T8S-R16E

Duchesne Co, Utah

API #42-013-31653 Lease #U-67170

43-013-31653